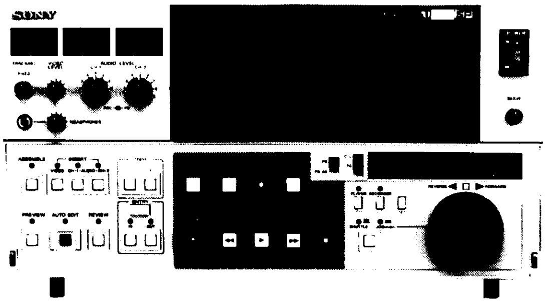
SONY®

VIDEOCASSETTE RECORDER

BVU-950



Professional U-matic SP

MAINTENANCE MANUAL

Volume 2 1st Edition (Revised 19)

Serial No.10001 and Higher

Warning—This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference in which case the user at his own expense will be required to take whatever measures may be required to correct the interference.

The shielded interface cable recommended in this manual must be used with this equipment in order to comply with the limits for a computing device pursuant to Subpart J of Part 15 of FCC Rules.

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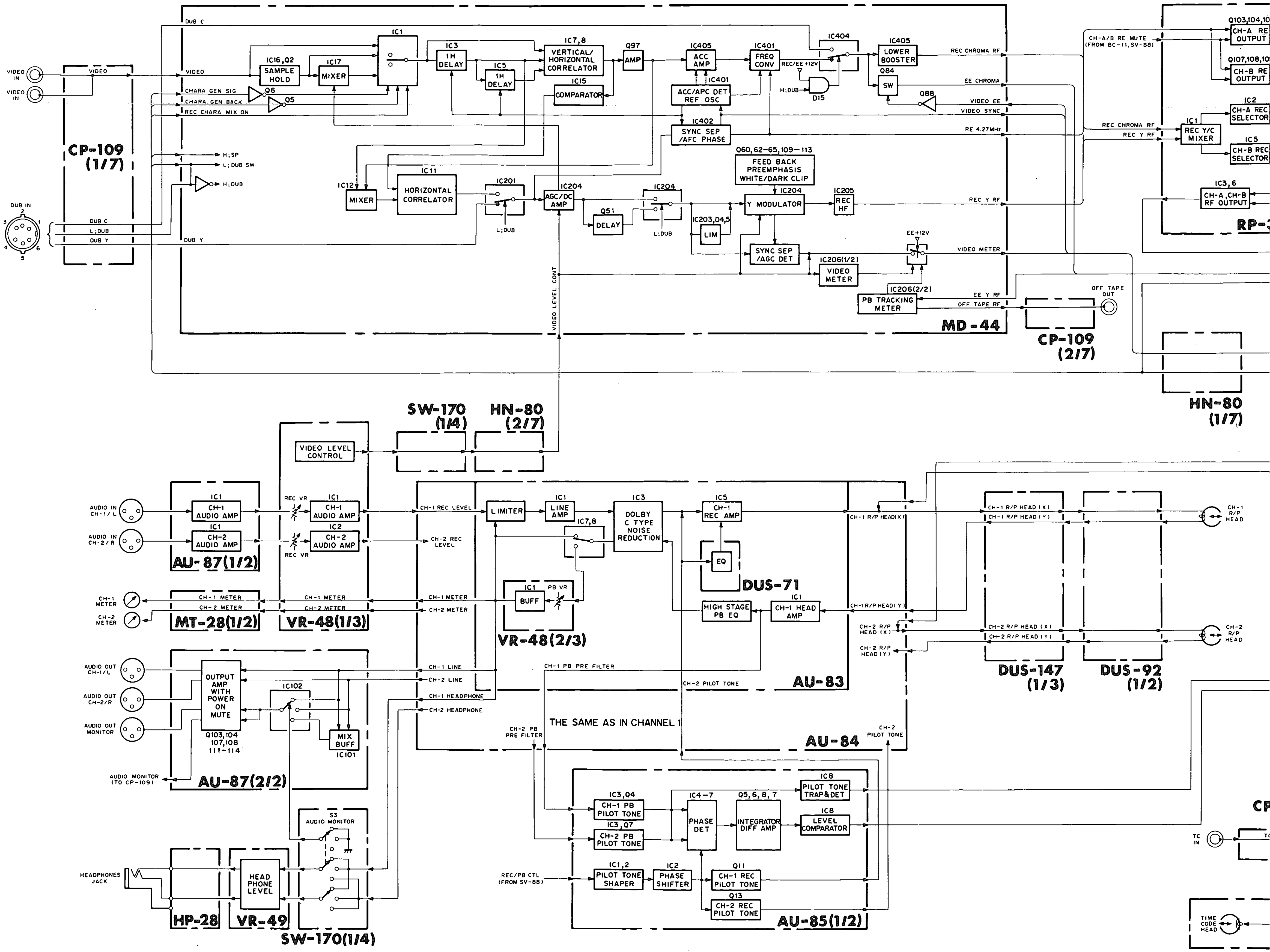
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IC15 COMPARATOR
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IC401 FREQ CONV
REC/EE +12V
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Q88
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EE CHROMA
VIDEO EE
VIDEO SYNC
RE 4.27MHz
IC12 MIXER
IC11 HORIZONTAL CORRELATOR
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IC204 AGC/DC AMP
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IC204
L;DUB
IC203,04,5 LIM
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IC205 REC HF
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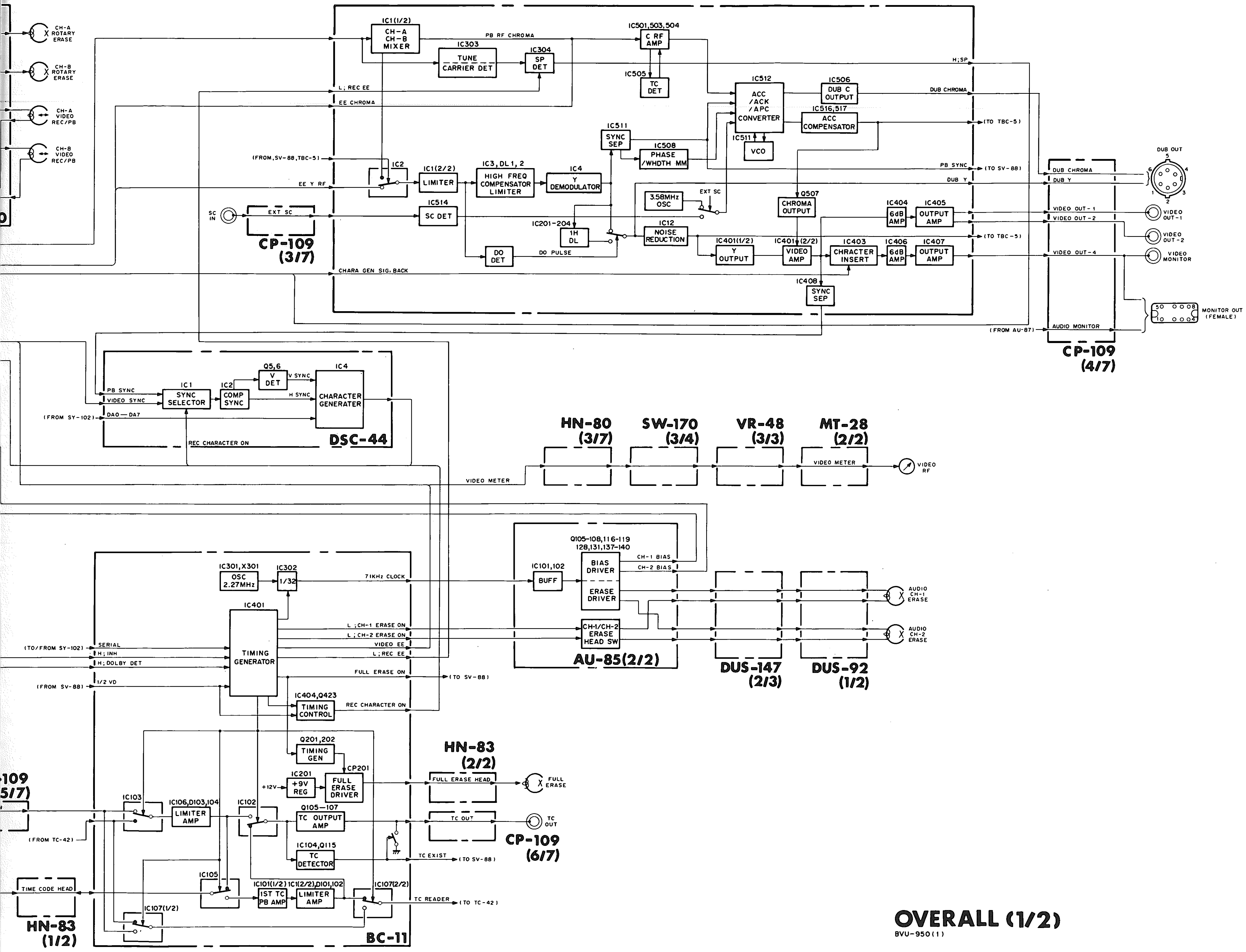
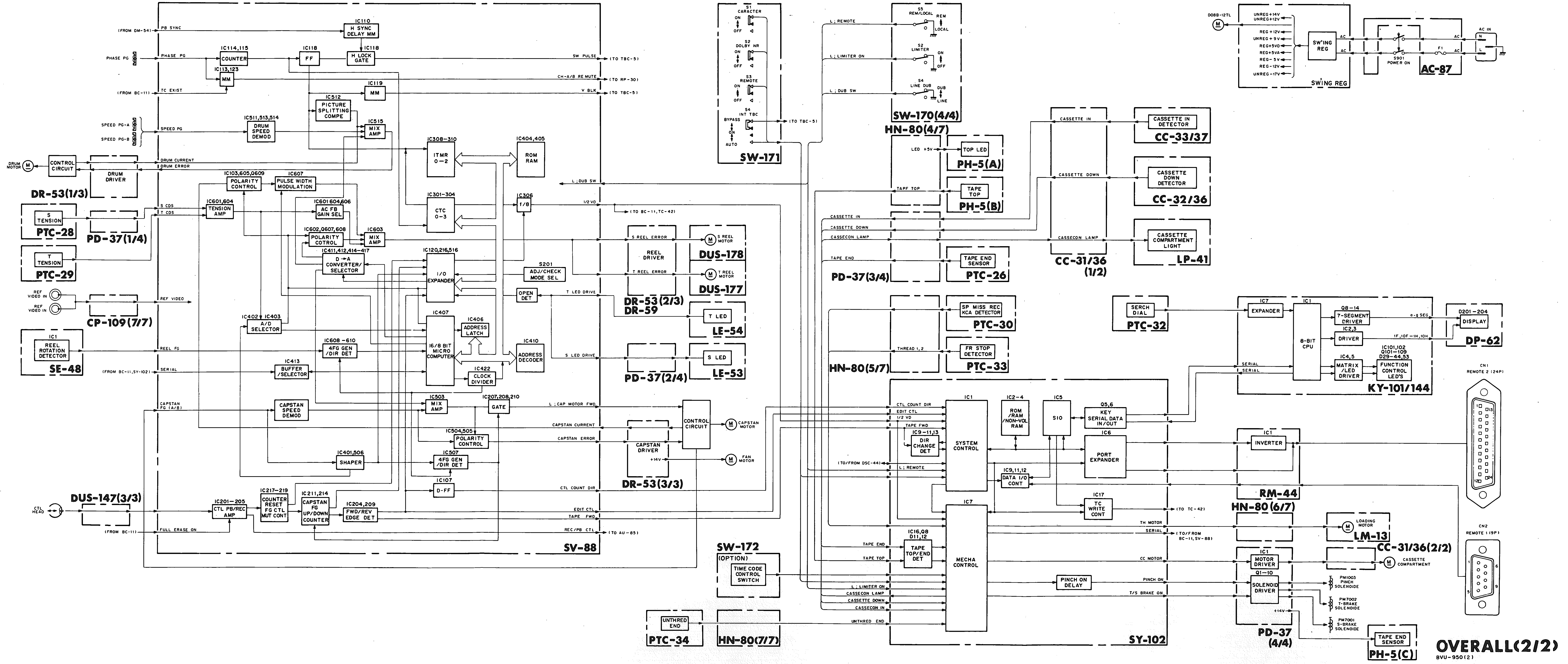
TC IN
TIME CODE HEAD
HN-8



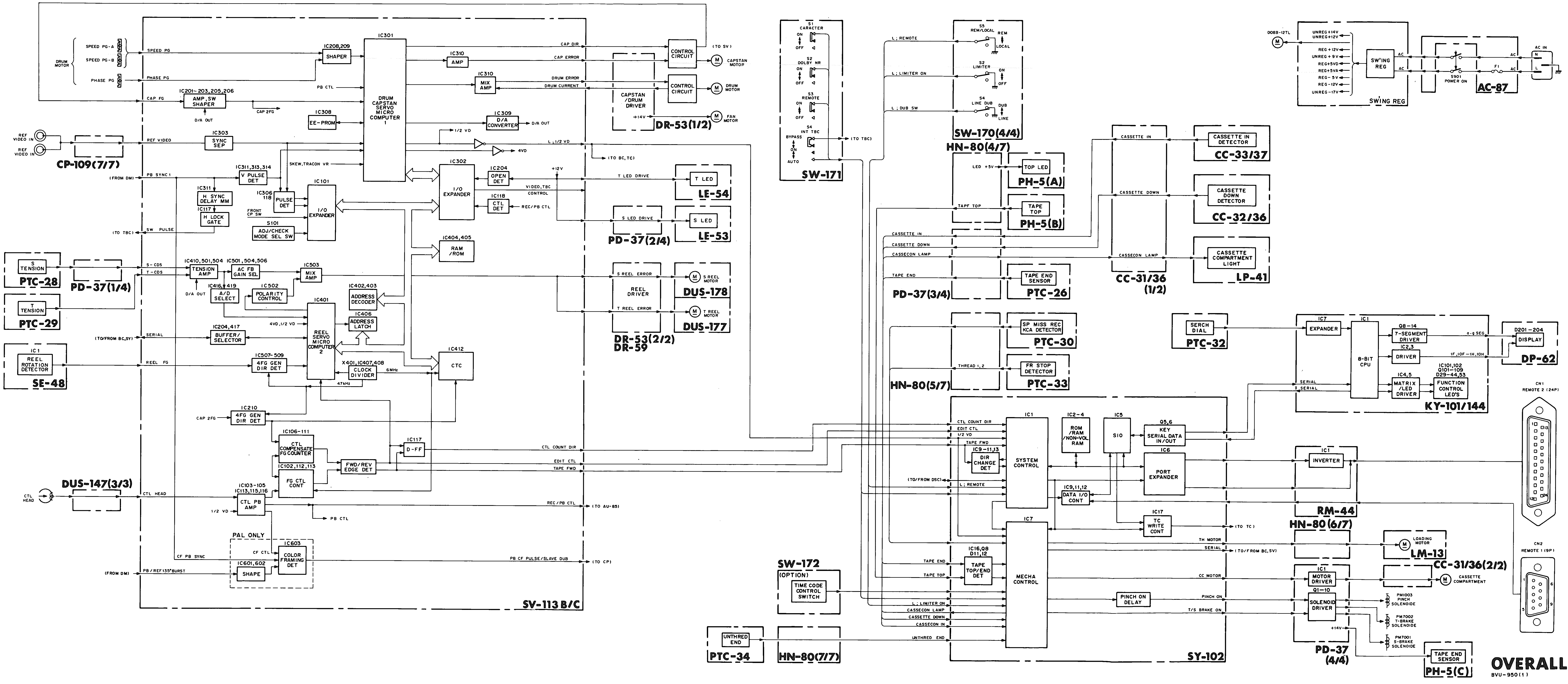
OVERALL (1/2)

BVU-950(1)

OVERALL (2/2)

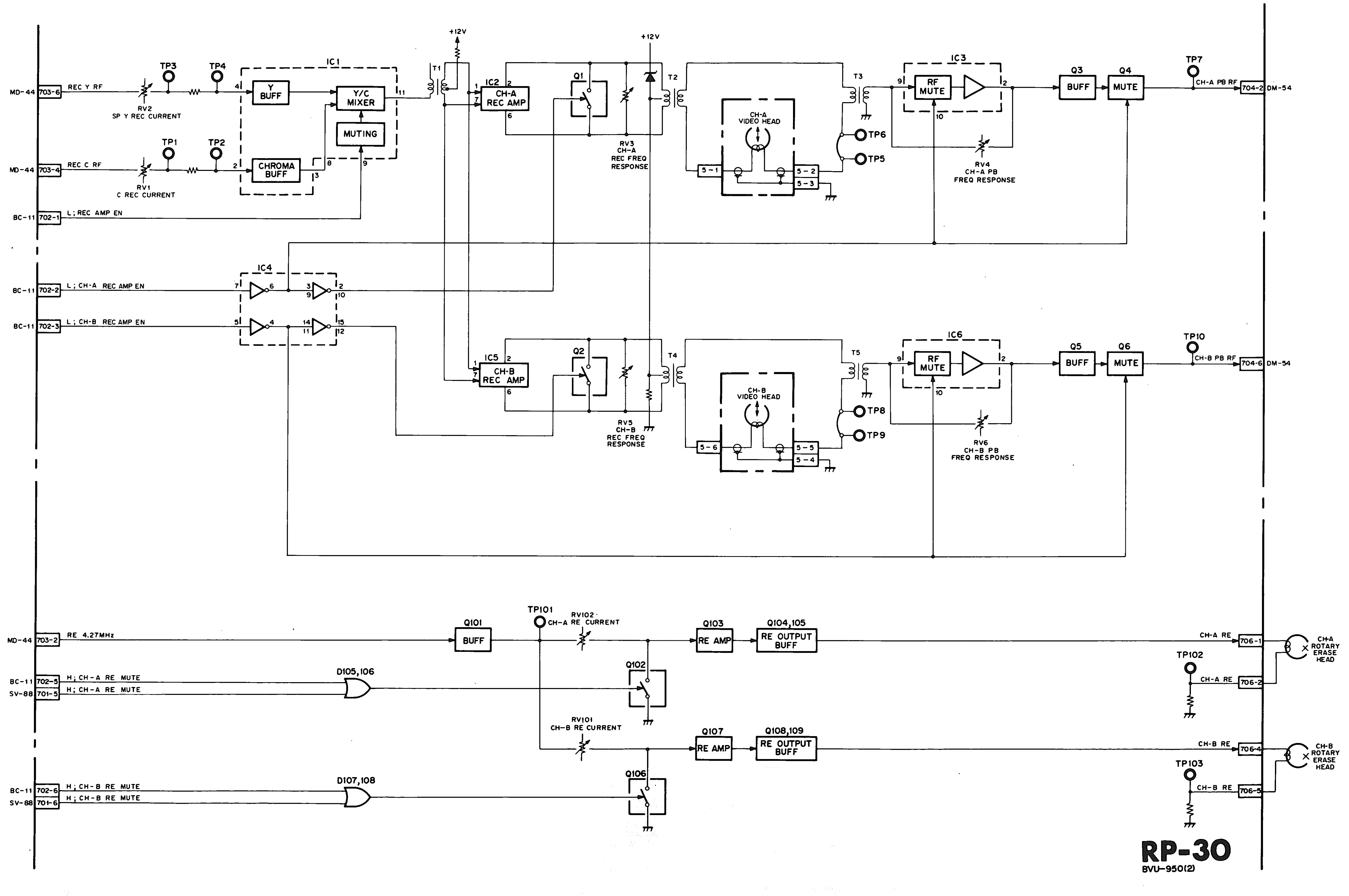


OVERALL(2/2)
BVU-950(2)

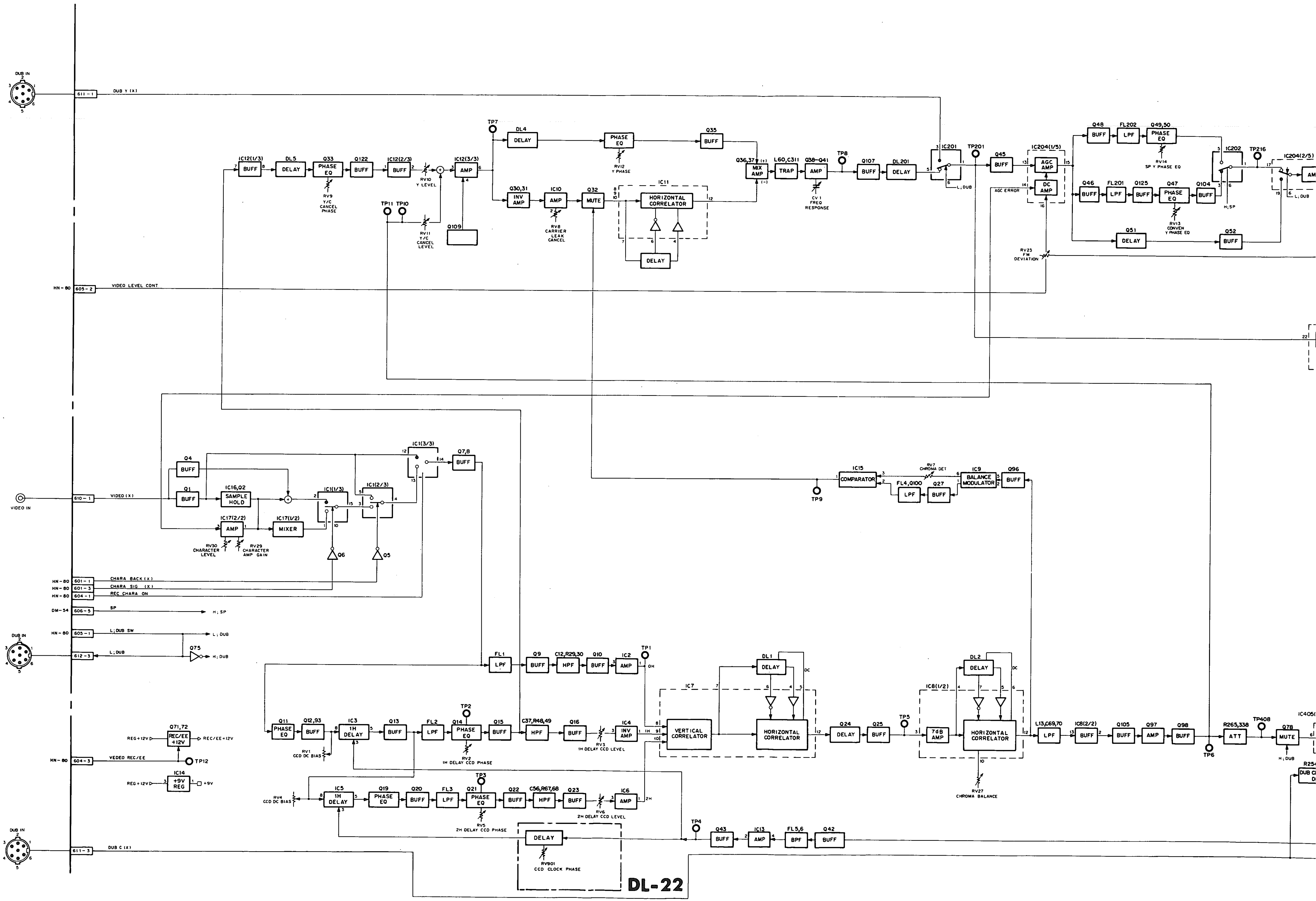


OVERALL(2/2)
BVU-950(1)

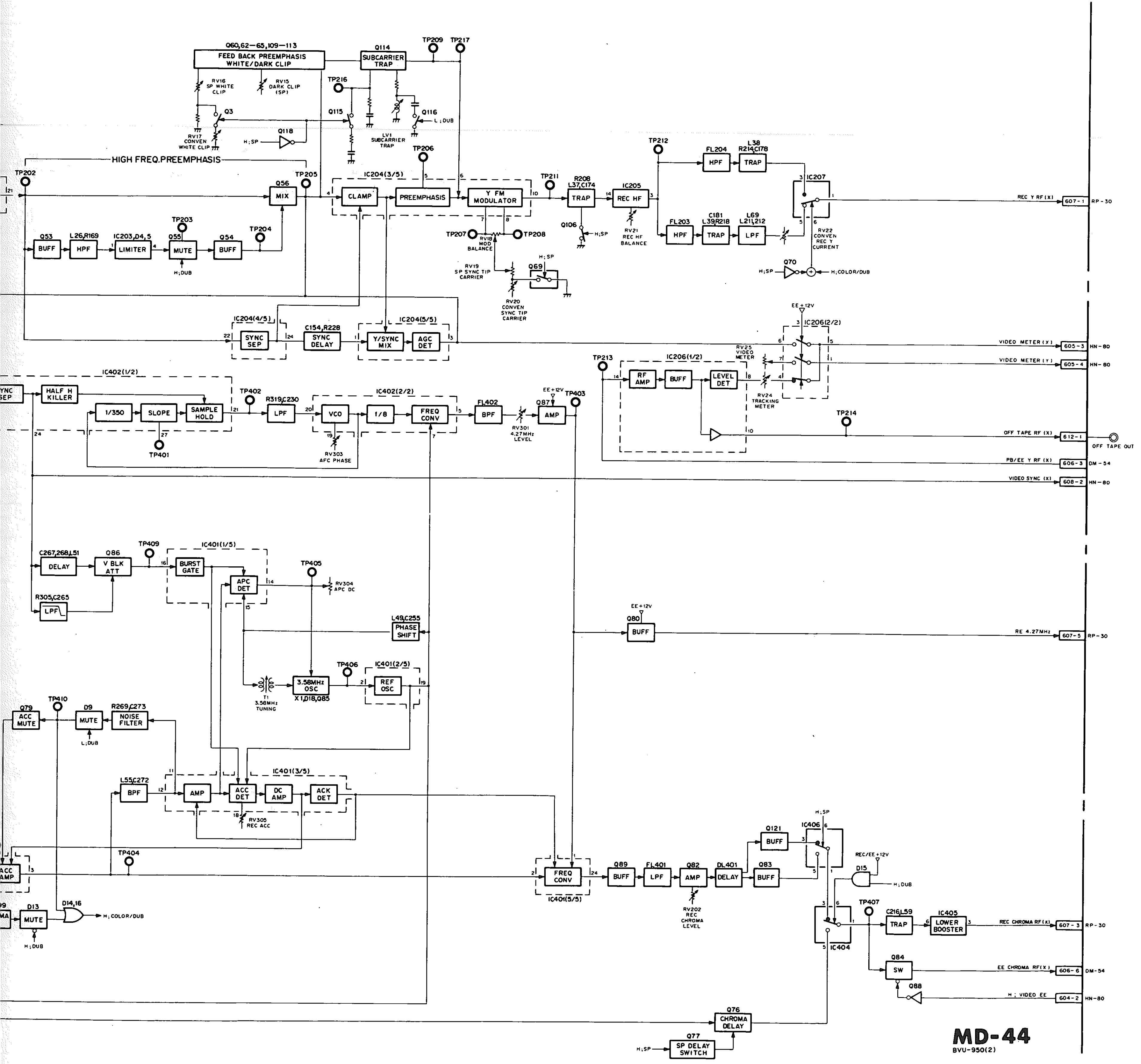
RF REC/PB /ROTARY ERASE



Y/C MODULATOR

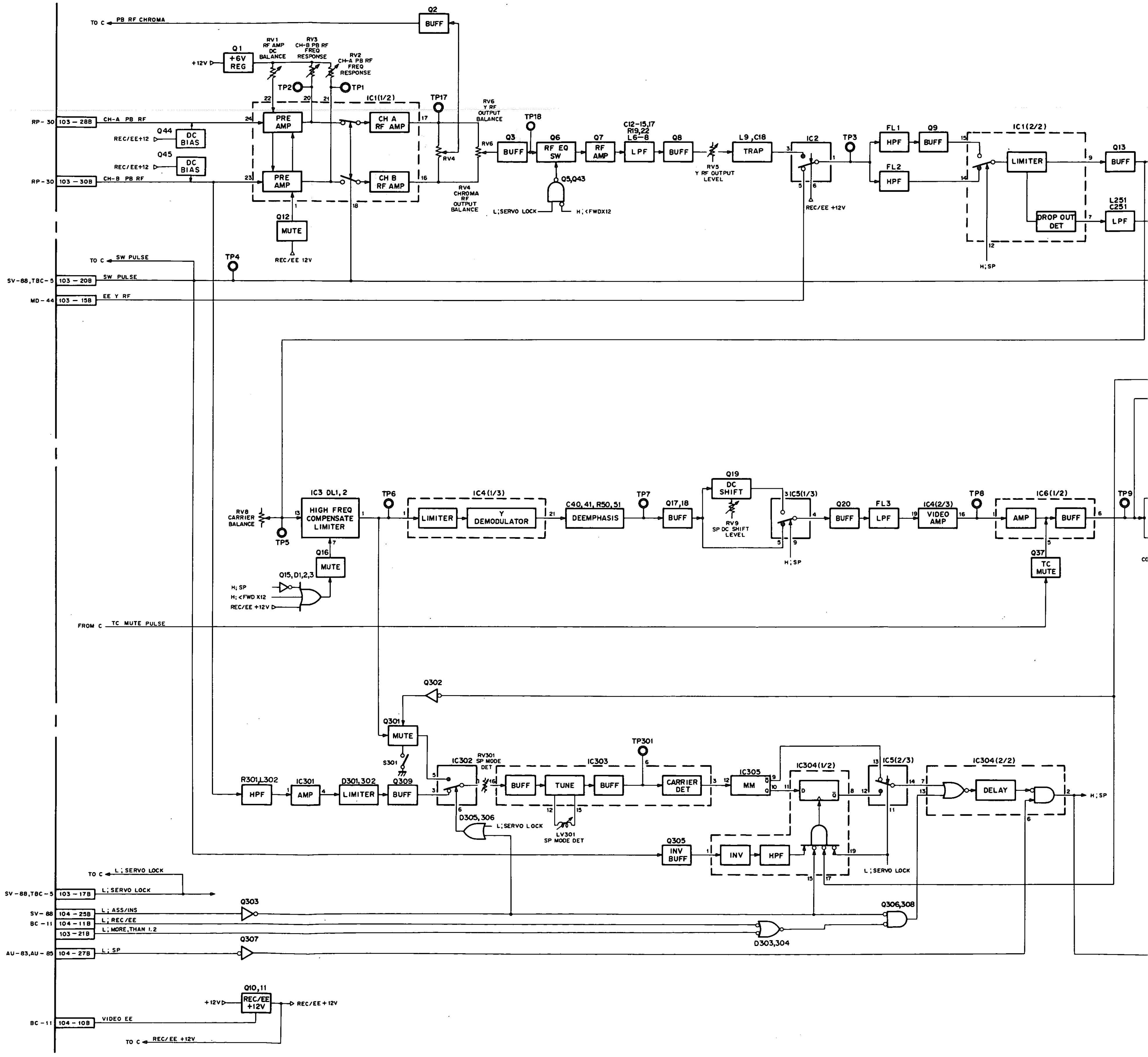


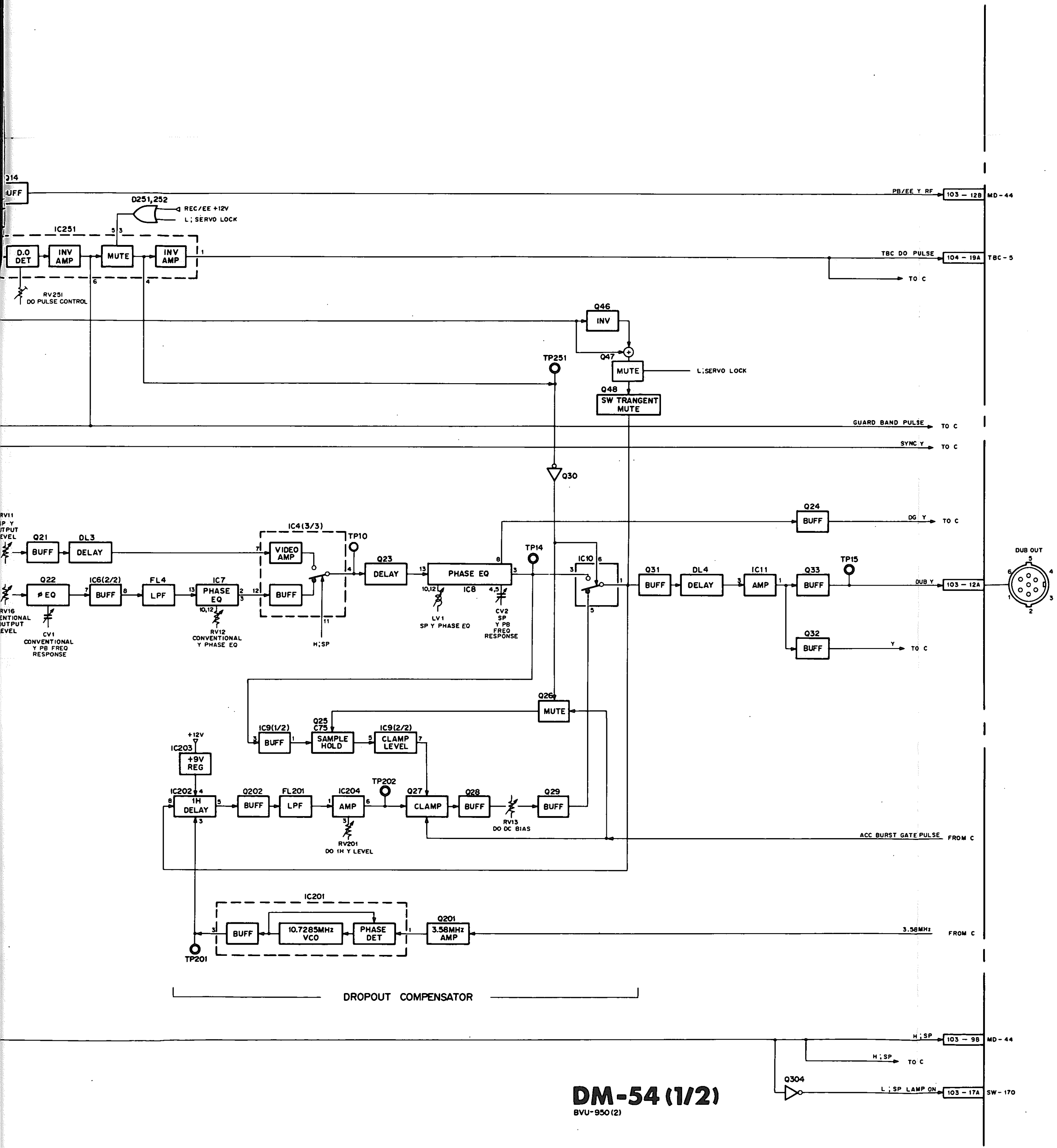
Y/C MODULATOR Y/C MODULATOR



MD-44
BVU-950(2)

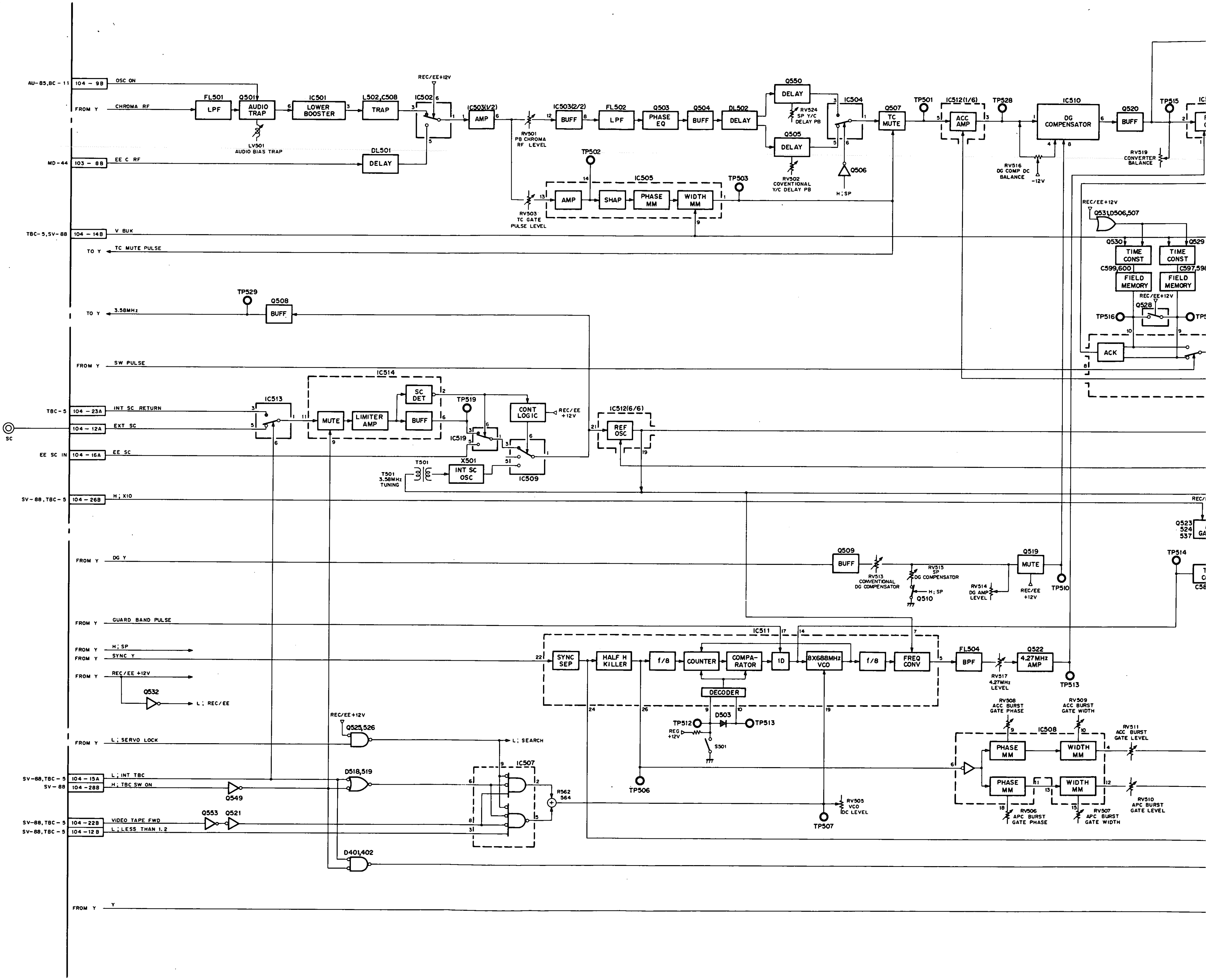
Y DEMODULATOR

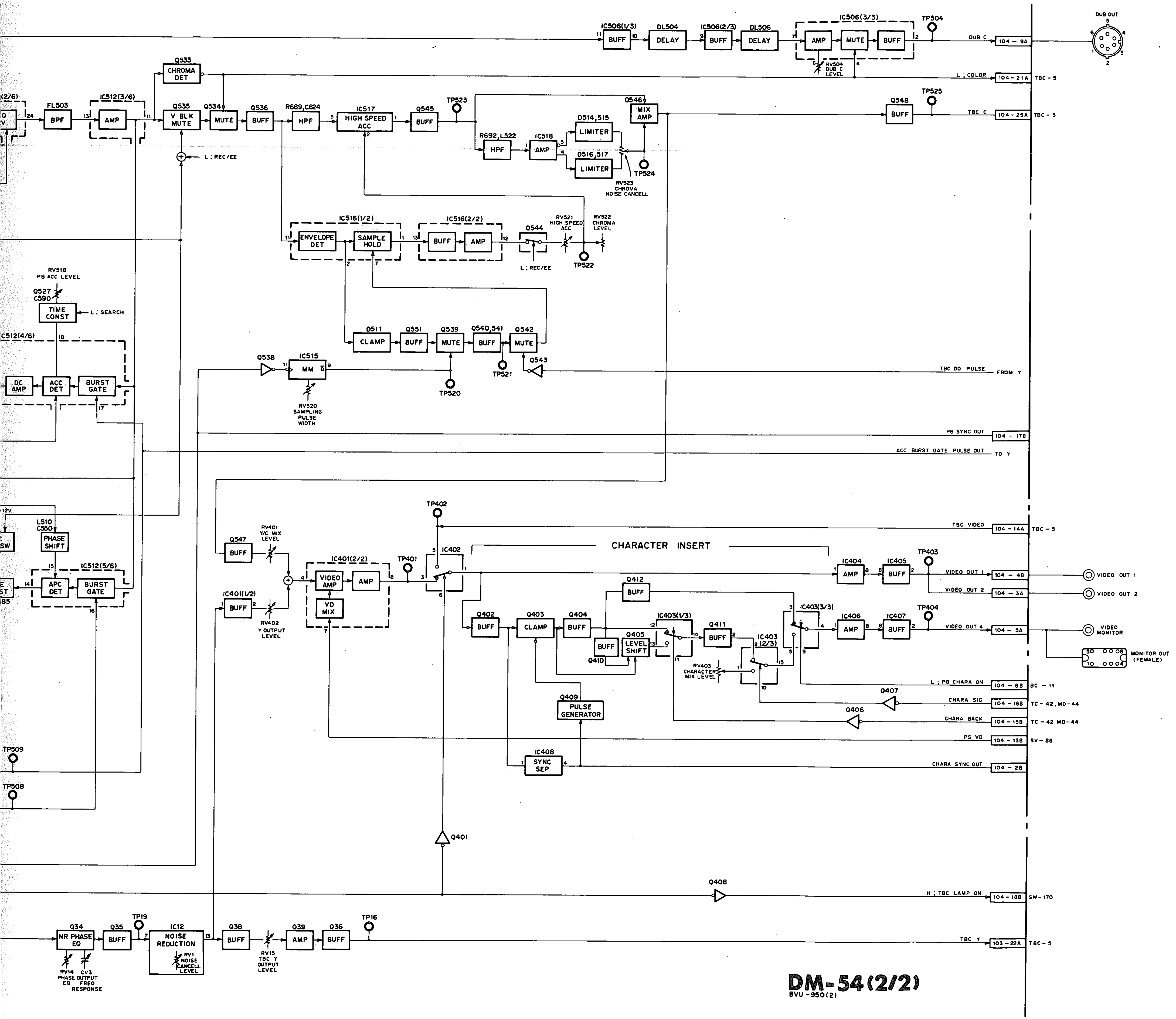




DM-54 (1/2)
BVU-950(2)

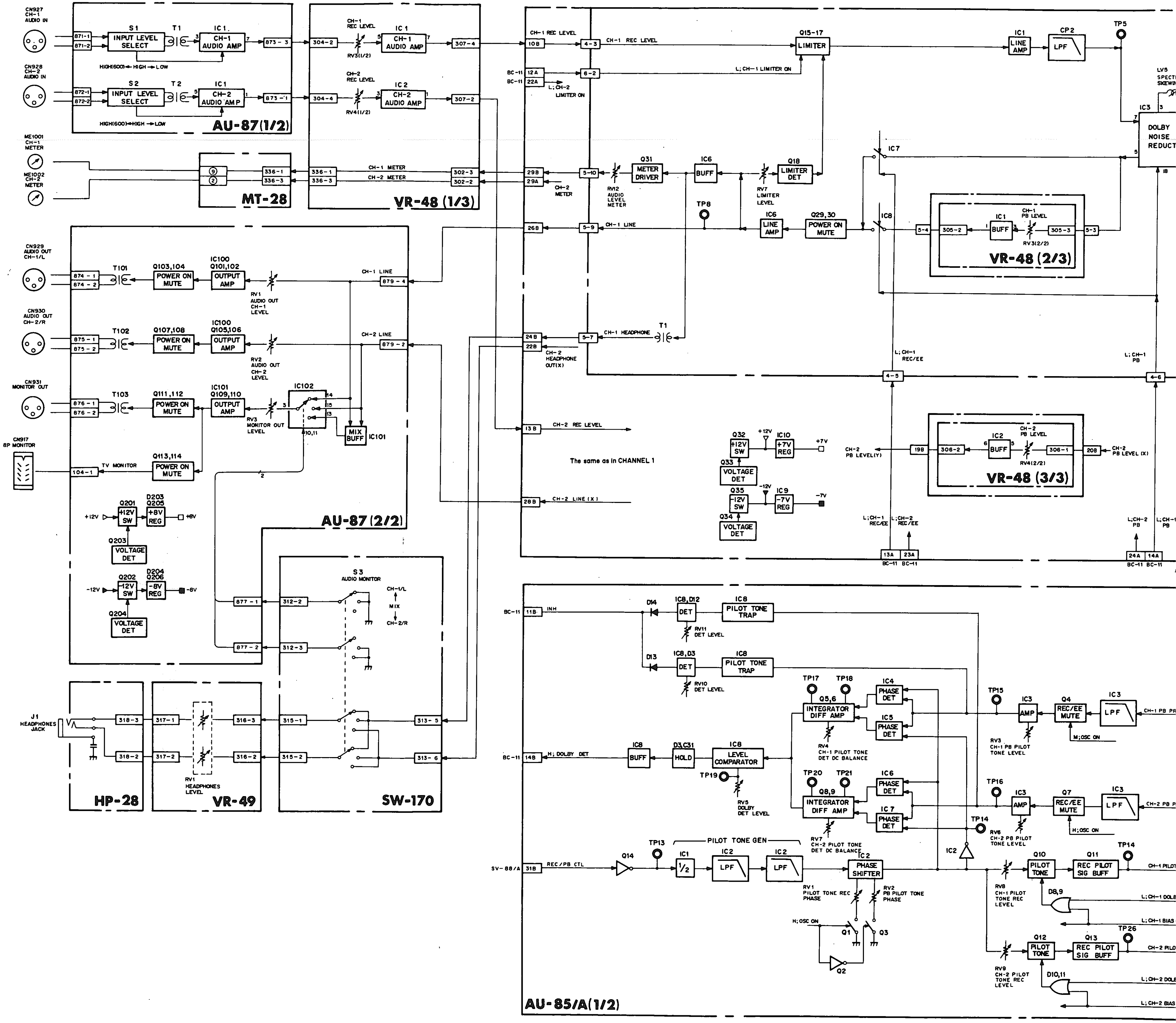
C DEMODULATOR

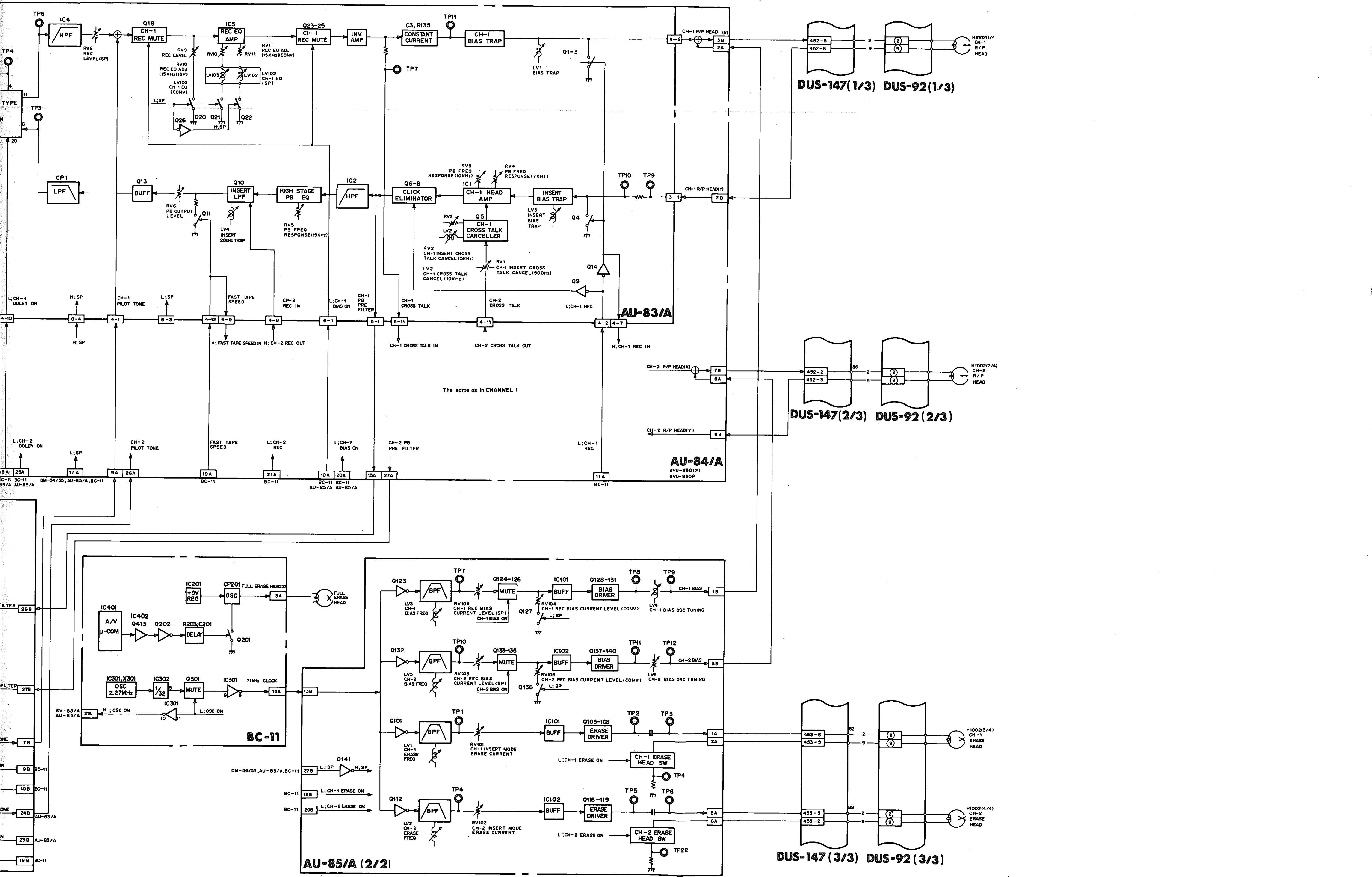




DM-54(2/2)
BVU-950(2)

AUDIO SYSTEM




TP6
IC4
HPF
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RV9 REC LEVEL
RV10 REC EQ ADJ (15KHz)(SP)
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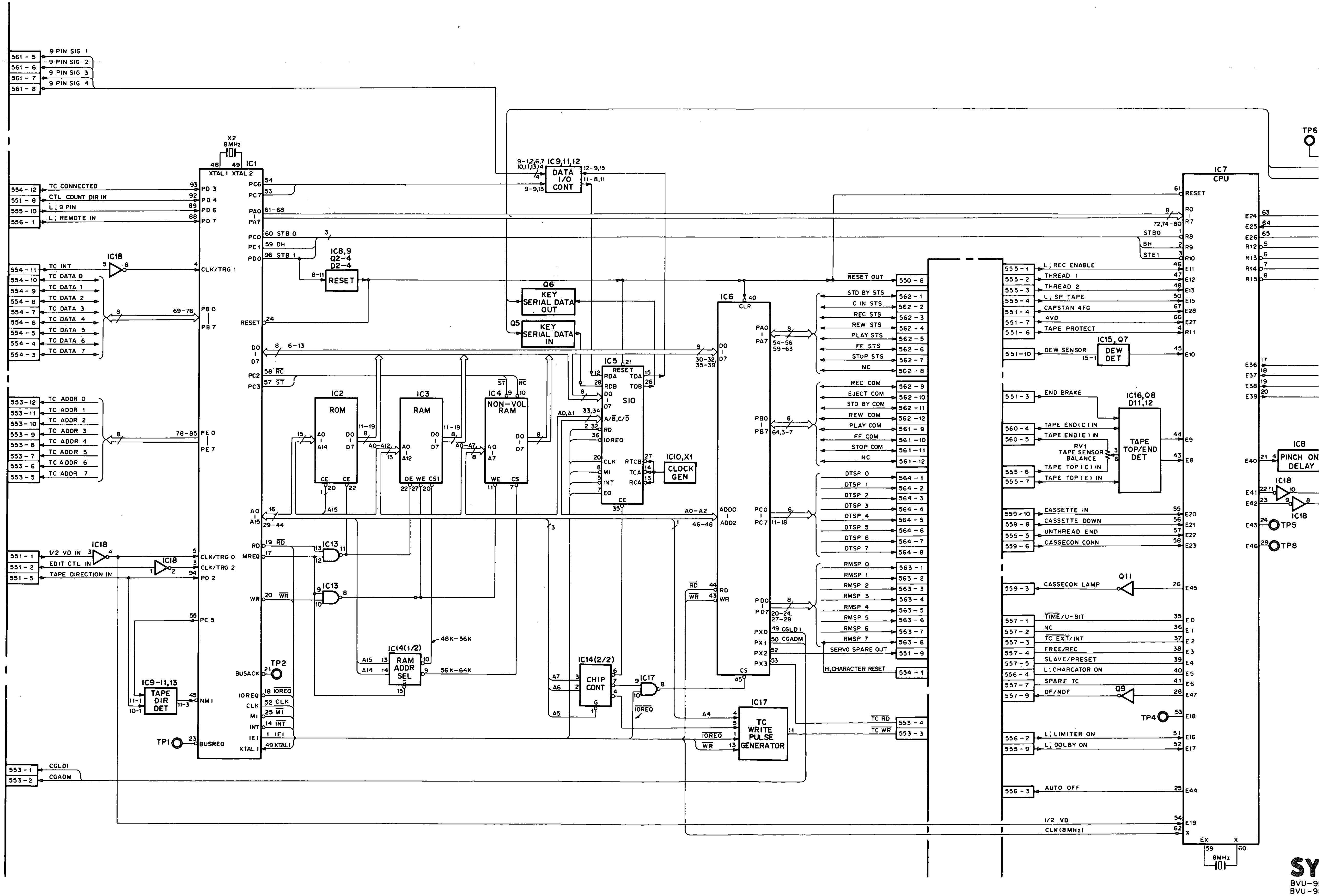
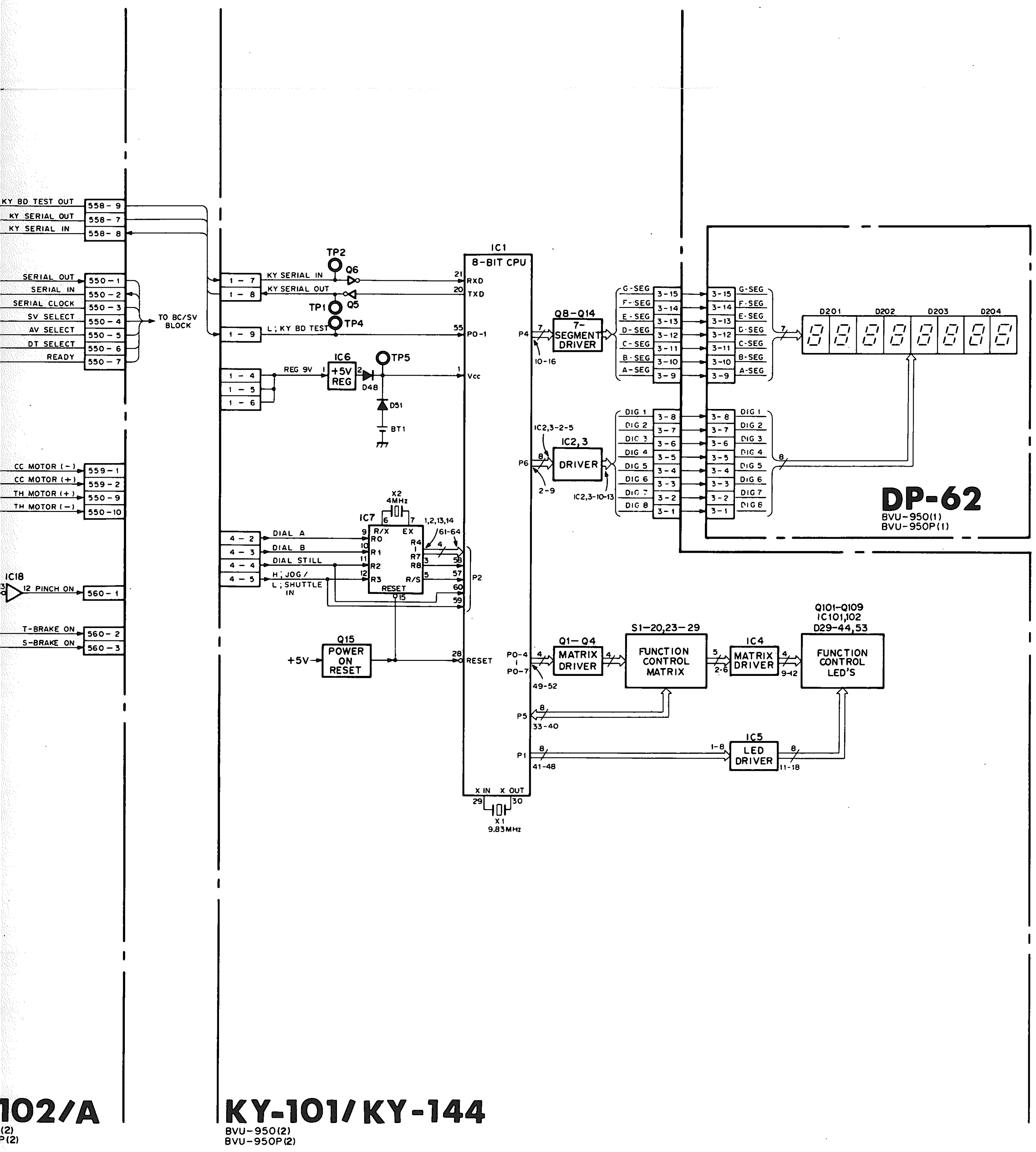
SYSTEM CONTROL/FUNCTION KEY BOARD

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AV SELECT
DT SELECT
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CC MOTOR (+)
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H; JOG / L; SHUTTLE IN
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3-5
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D202
D203
D204
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BVU-950P(1)
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1-8
11-18
KY-101/ KY-144
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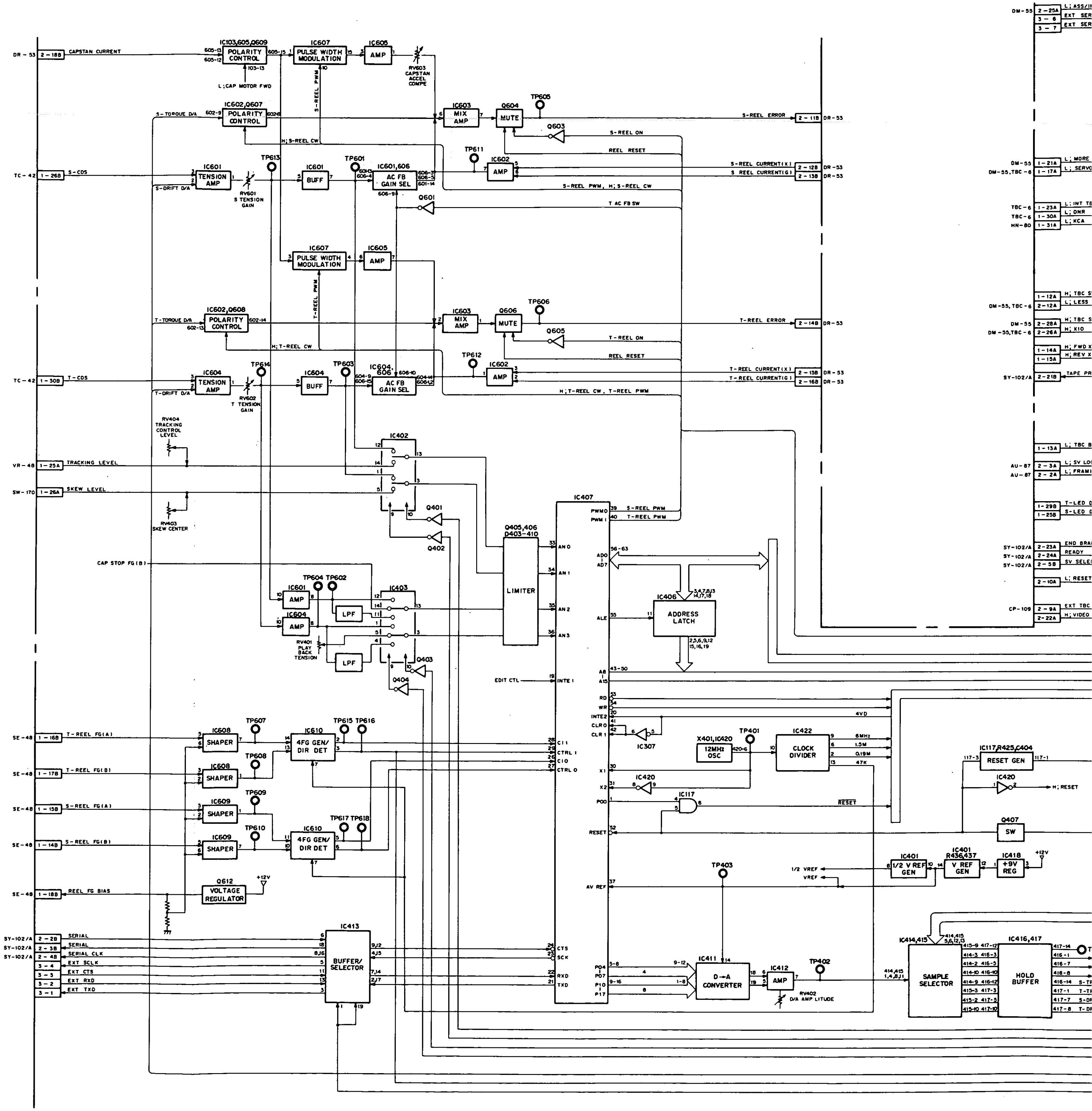
BVU-950P(2)

REEL SERVO


DR-53 2-18B CAPSTAN CURRENT
IC103,605,Q609 POLARITY CONTROL
IC607 PULSE WIDTH MODULATION
IC605 AMP
RV603 CAPSTAN ACCEL COMPE
L; CAP MOTOR FWD
S-TORQUE D/A
IC602,Q607 POLARITY CONTROL
H; S-REEL CW
IC603 MIX AMP
Q604 MUTE
TP605
Q603
S-REEL ERROR 2-11B DR-53
S-REEL ON
REEL RESET
TC-42 1-26B S-CDS
S-DRIFT D/A
IC601 TENSION AMP
RV601 S TENSION GAIN
TP613
IC601 BUFF
TP601
IC601,606 AC FB GAIN SEL
TP611
IC602 AMP
S-REEL CURRENT(X) 2-12B DR-53
S REEL CURRENT(G) 2-13B DR-53
S-REEL PWM, H; S-REEL CW
Q601
T AC FB SW
IC607 PULSE WIDTH MODULATION
IC605 AMP
S-REEL PWM
T-REEL PWM
T-TORQUE D/A
IC602,Q608 POLARITY CONTROL
H; T-REEL CW
IC603 MIX AMP
Q606 MUTE
TP606
Q605
T-REEL ERROR 2-14B DR-53
T-REEL ON
REEL RESET
TC-42 1-30B T-CDS
T-DRIFT D/A
IC604 TENSION AMP
RV602 T TENSION GAIN
TP614
IC604 BUFF
TP603
IC604,606 AC FB GAIN SEL
TP612
IC602 AMP
T-REEL CURRENT(X) 2-15B DR-53
T-REEL CURRENT(G) 2-16B DR-53
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VR-48 1-25A TRACKING LEVEL
SW-170 1-26A SKEW LEVEL
RV403 SKEW CENTER
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Q402
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Q405,406 Q403-410
LIMITER
TP604 TP602
IC601 AMP
IC604 AMP
LPF
IC403
RV401 PLAY BACK TENSION
LPF
Q403
Q404
IC407
S-REEL PWM
T-REEL PWM
AN0 AN1 AN2 AN3
AD0 AD7
ALE
IC406 ADDRESS LATCH
EDIT CTL INTE1
A8 A15
RD WR INTE2 CLR0 CLR1
IC307
4VD
X401,IC420 12MHz OSC
TP401
IC422 CLOCK DIVIDER
6MHz 1.5M 0.19M 47K
X1 X2
IC420
IC117
P00 RESET
RESET
SE-48 1-16B T-REEL FG(A)
IC608 SHAPER
TP607
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TP615 TP616
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IC608 SHAPER
TP608
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IC609 SHAPER
TP609
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IC609 SHAPER
TP610
IC610 4FG GEN/ DIR DET
TP617 TP618
CI1 CTRL1 CI0 CTRL0
SE-48 1-18B REEL FG BIAS
Q612 VOLTAGE REGULATOR
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AV REF
TP403
1/2 VREF
VREF
IC401 1/2 V REF GEN
IC401 R436,437 V REF GEN
IC418 +9V REG
+12V
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SY-102/A 2-3B SERIAL
SY-102/A 2-4B SERIAL CLK
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3-3 EXT CTS
3-2 EXT RXD
3-1 EXT TXD
IC413 BUFFER/ SELECTOR
CTS SCK RXD TXD
P04 P07 P10 P17
IC411 D→A CONVERTER
IC412 AMP
TP402
RV402 D/A AMP LITUDE
IC414,415 SAMPLE SELECTOR
IC416,417 HOLD BUFFER
IC117,R425,C404 RESET GEN
IC420
H; RESET
Q407 SW
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3-6 EXT SER
3-7 EXT SER
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DM-55,TBC-6 1-17A L; SERVO
TBC-6 1-23A L; INT TE
TBC-6 1-30A L; DNR
HN-80 1-31A L; KCA
1-12A H; TBC S
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DM-55 2-28A H; TBC S
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1-14A H; FWD X
1-15A H; REV X
SY-102/A 2-21B TAPE PR
1-13A L; TBC B
AU-87 2-3A L; SV LO
AU-87 2-2A L; FRAM
1-29B T-LED
1-25B S-LED
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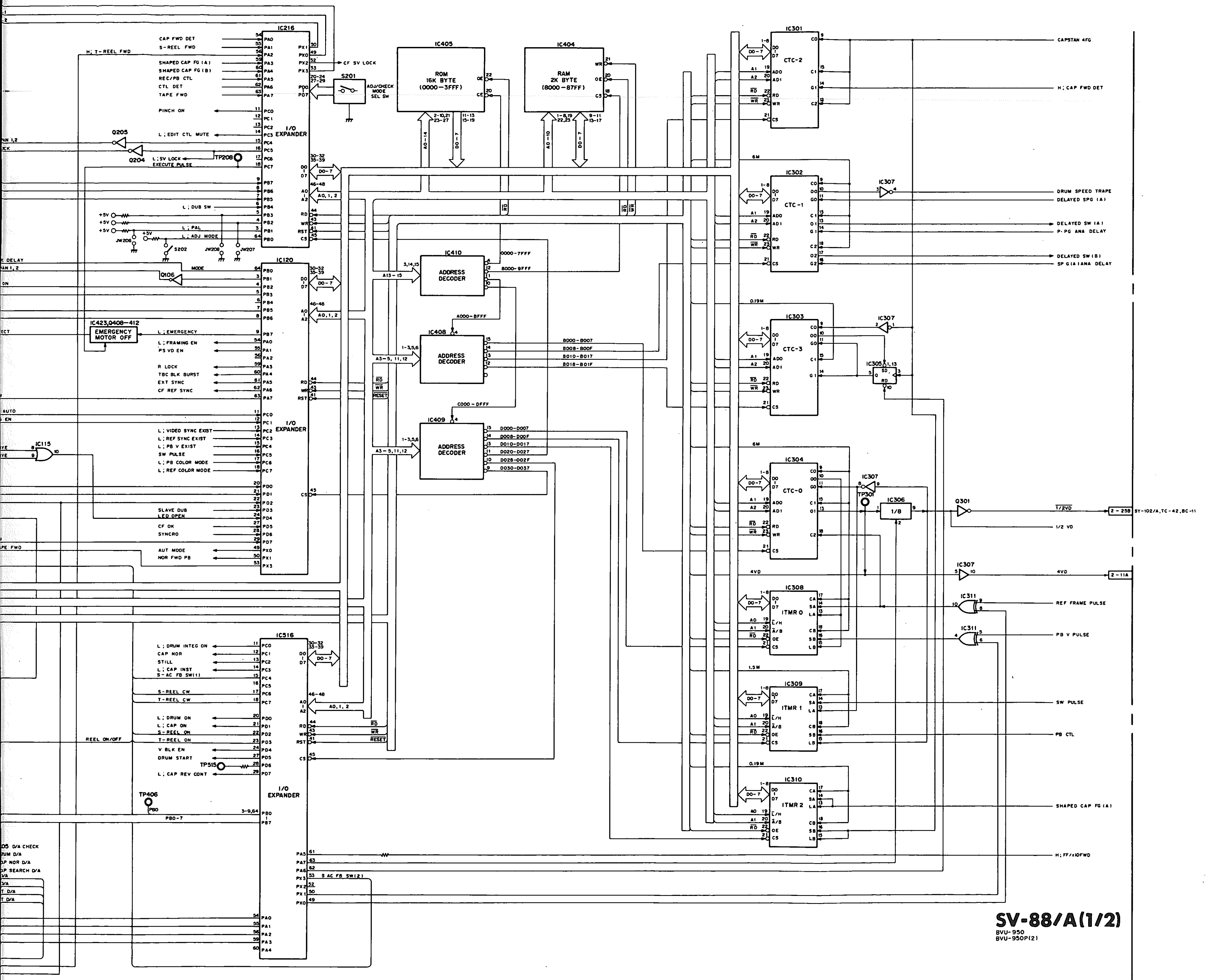
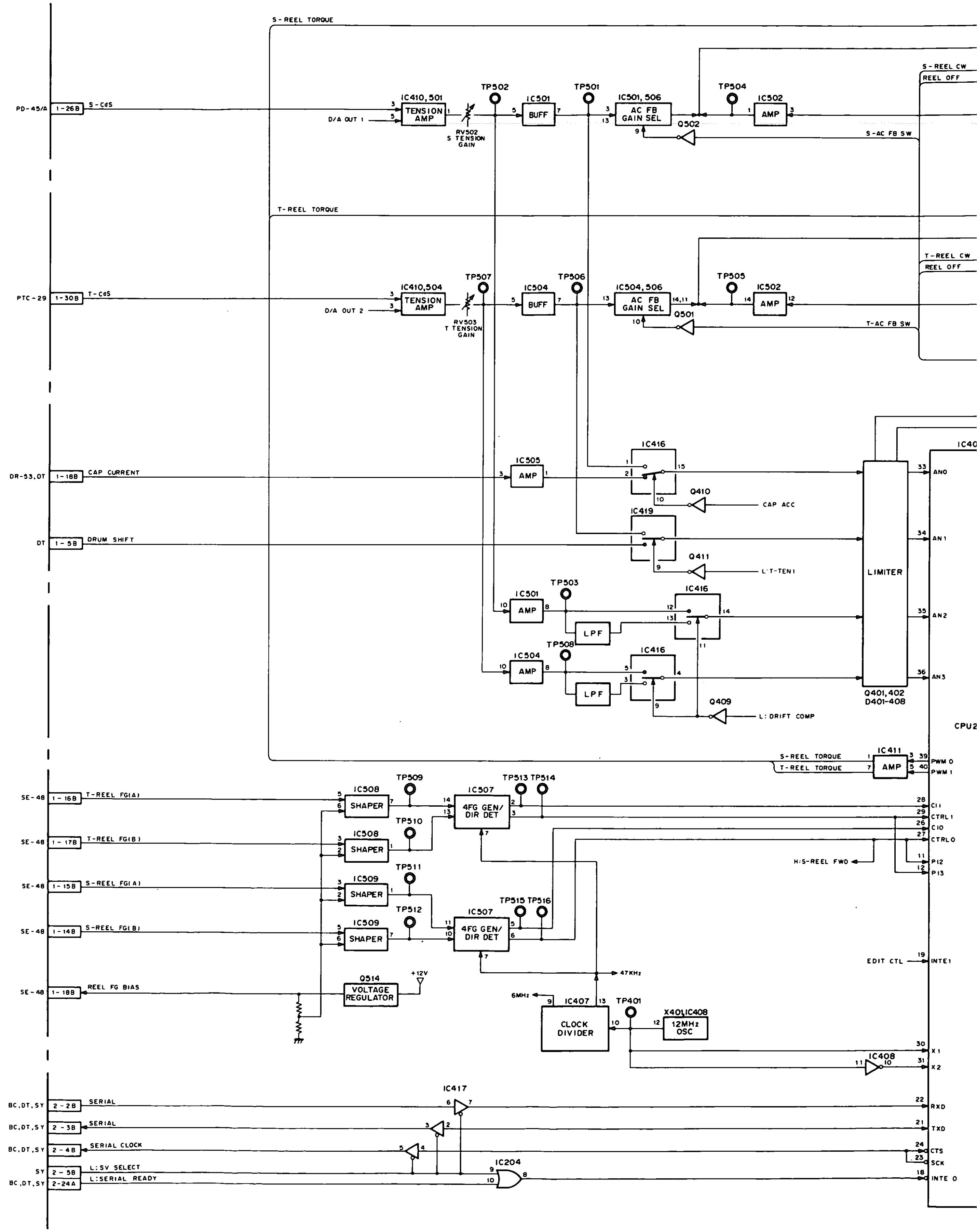
SY-102/A 2-24A READY
SY-102/A 2-5B SV SELE
2-10A L; RESET
CP-109 2-9A EXT TBC
2-22A H; VIDEO



SV-88/A(1/2)
BVU-950
BVU-950P(2)

REEL SERVO


S-REEL TORQUE
T-REEL TORQUE
PD-45/A
1-26B
S-CdS
IC410, 501
TENSION AMP
D/A OUT 1
RV502
S TENSION GAIN
TP502
IC501
BUFF
TP501
IC501, 506
AC FB GAIN SEL
Q502
TP504
IC502
AMP
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REEL OFF
S-AC FB SW
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TP505
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LPF
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AN2
AN3
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CPU2
IC411
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PWM 1
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1-17B
T-REEL FG(B)
1-15B
S-REEL FG(A)
1-14B
S-REEL FG(B)
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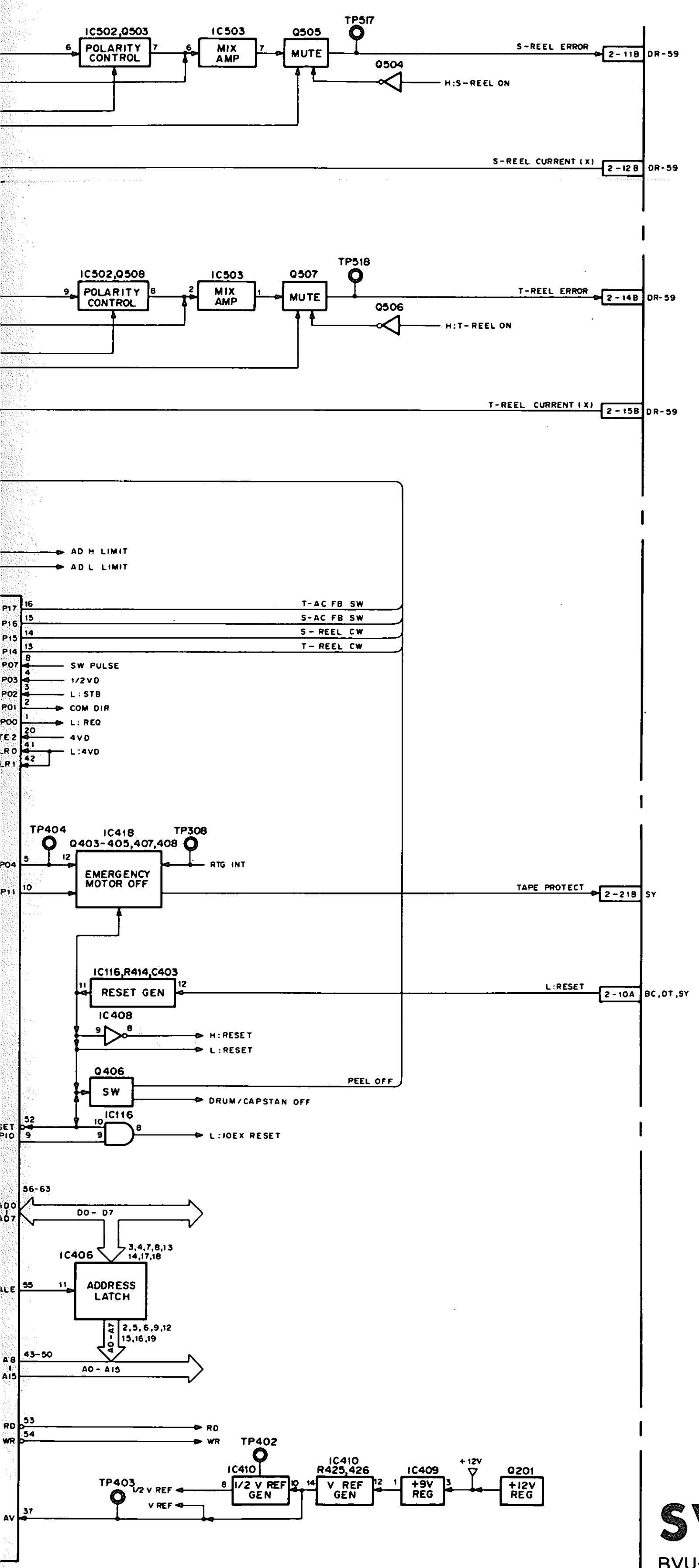
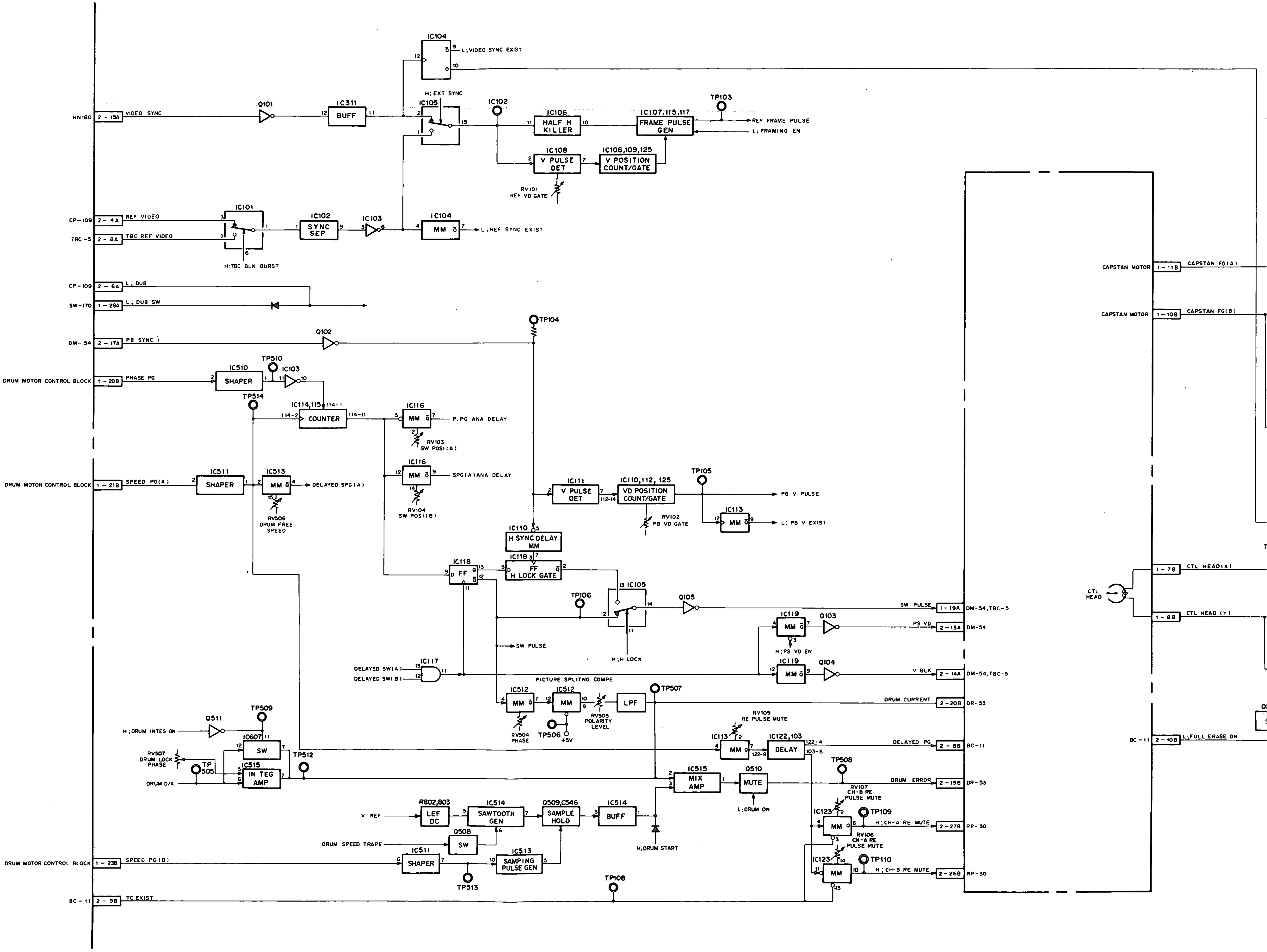
IC508
SHAPER
TP510
TP511
IC509
TP512
TP513 TP514
IC507
4FG GEN/ DIR DET
TP515 TP516
CI1
CTRL1
CI0
CTRL0
P12
P13
H:S-REEL FWD
EDIT CTL
INTE1
Q514
VOLTAGE REGULATOR
+12V
47KHz
6MHz
IC407
CLOCK DIVIDER
TP401
X401, IC408
12MHz OSC
IC408
X1
X2
BC, DT, SY
2-2B
SERIAL
2-3B
2-4B
SERIAL CLOCK
SY
2-5B
L: SV SELECT
2-24A
L: SERIAL READY
IC417
IC204
RXD
TXD
CTS
SCK
INTE 0

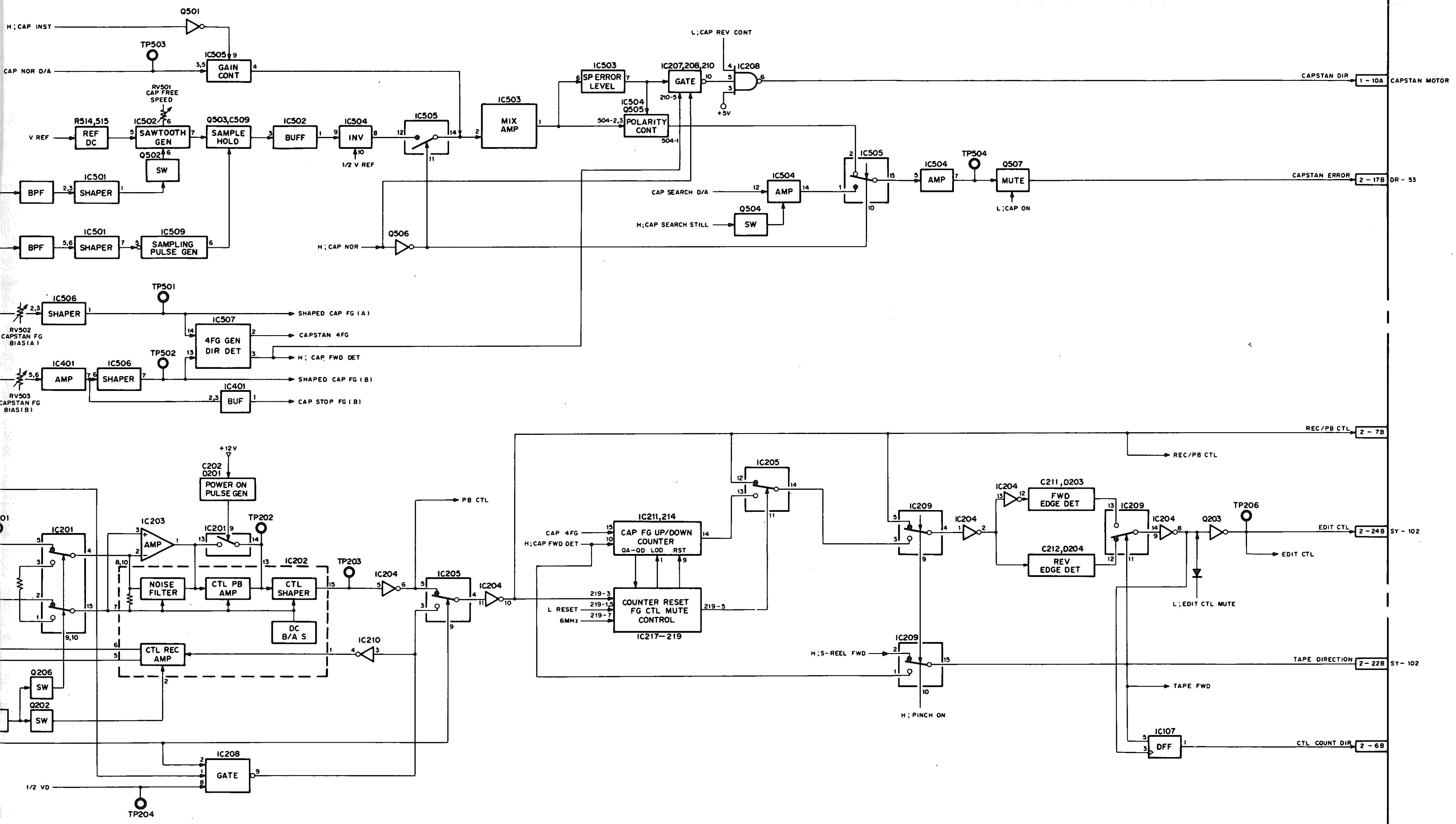


SV-113(1/2)

BVU-950(1)
BVU-950P(1)

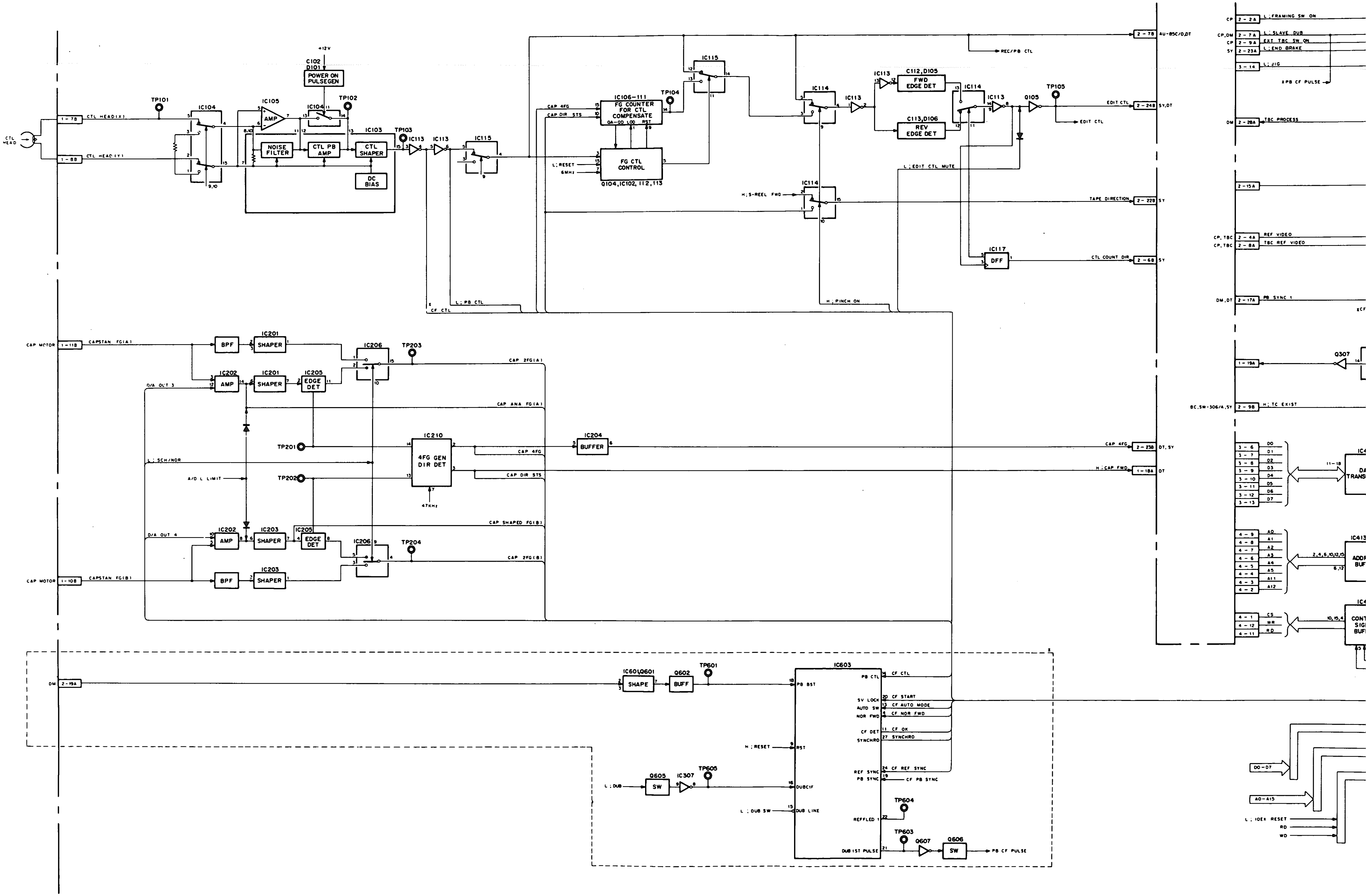
DRUM/CAPSTAN SERVO

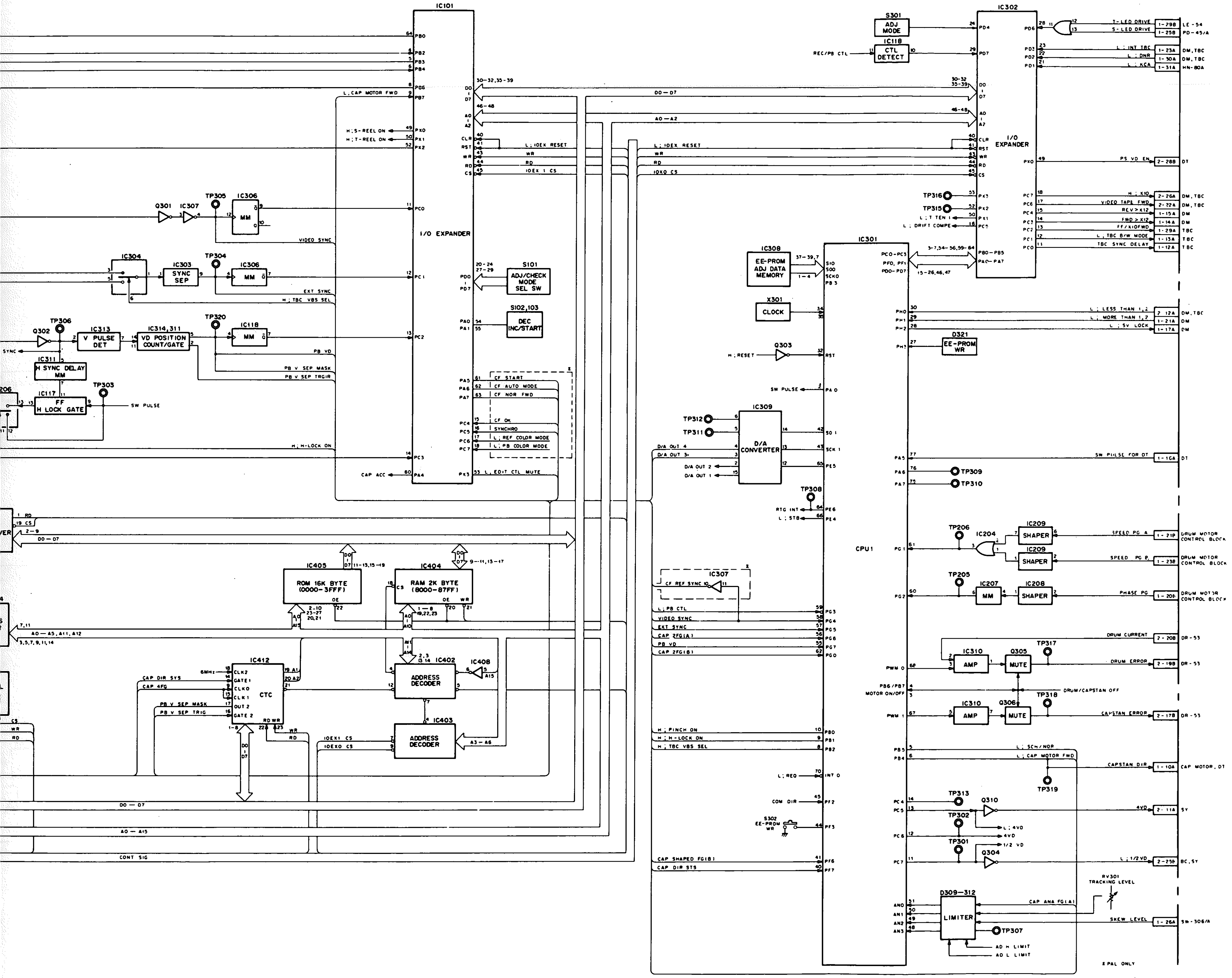




SV-88 (2/2)
BVU-950 (2)

DRUM/CAPSTAN SERVO

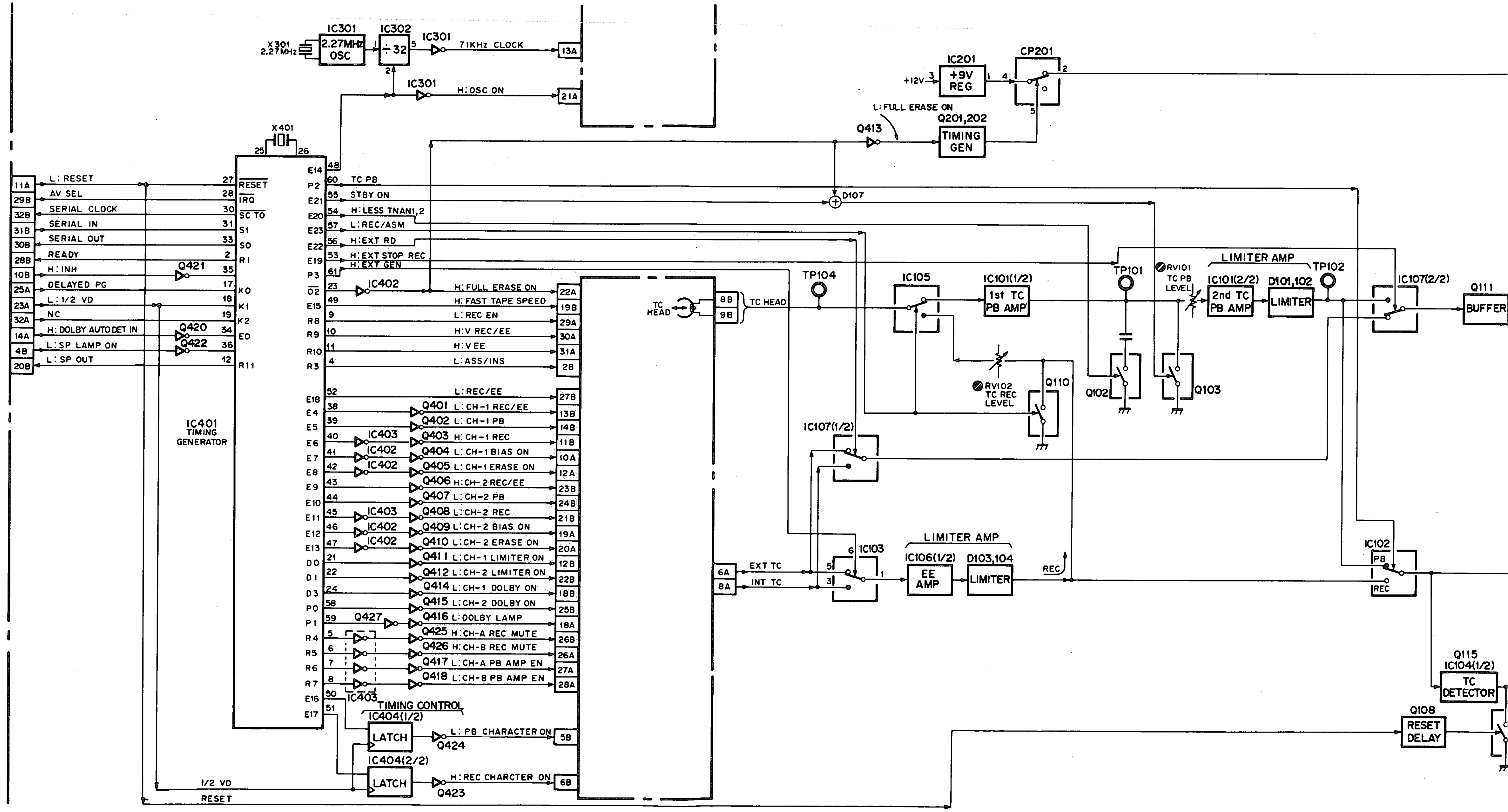




SV-113(2/2)

BVU-950(1)
BVU-950P(1)

TIME CODE


IC301
2.27MHz OSC
X301 2.27MHz
IC302
÷32
IC301
71KHz CLOCK
13A
IC301
H:OSC ON
21A
X401
IC401
TIMING GENERATOR
11A L:RESET 27 RESET
29B AV SEL 28 IRQ
32B SERIAL CLOCK 30 SC TO
31B SERIAL IN 31 S1
30B SERIAL OUT 33 SO
28B READY 2 RI
10B H:INH Q421 35
25A DELAYED PG 17 KO
23A L:1/2 VD 18 K1
32A NC 19 K2
14A H:DOLBY AUTO DET IN Q420 34 EO
4B L:SP LAMP ON Q422 36
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E21 55 STBY ON
E20 54 H:LESS TNAN1,2
E23 57 L:REC/ASM
E22 56 H:EXT RD
E19 53 H:EXT STOP REC
P3 61 H:EXT GEN
O2 23 IC402 H:FULL ERASE ON 22A
E15 49 H:FAST TAPE SPEED 19B
R8 9 L:REC EN 29A
R9 10 H:V REC/EE 30A
R10 11 H:V EE 31A
R3 4 L:ASS/INS 2B
E18 52 L:REC/EE 27B
E4 38 Q401 L:CH-1 REC/EE 13B
E5 39 Q402 L:CH-1 PB 14B
E6 40 IC403 Q403 H:CH-1 REC 11B
E7 41 IC402 Q404 L:CH-1 BIAS ON 10A
E8 42 IC402 Q405 L:CH-1 ERASE ON 12A
E9 43 Q406 H:CH-2 REC/EE 23B
E10 44 Q407 L:CH-2 PB 24B
E11 45 IC403 Q408 L:CH-2 REC 21B
E12 46 IC402 Q409 L:CH-2 BIAS ON 19A
E13 47 IC402 Q410 L:CH-2 ERASE ON 20A
D0 21 Q411 L:CH-1 LIMITER ON 12B
D1 22 Q412 L:CH-2 LIMITER ON 22B
D3 24 Q414 L:CH-1 DOLBY ON 18B
P0 58 Q415 L:CH-2 DOLBY ON 25B
P1 59 Q427 Q416 L:DOLBY LAMP 18A
R4 5 Q425 H:CH-A REC MUTE 26B
R5 6 Q426 H:CH-B REC MUTE 26A
R6 7 Q417 L:CH-A PB AMP EN 27A
R7 8 Q418 L:CH-B PB AMP EN 28A
E16 50 IC403
E17 51
TIMING CONTROL
IC404(1/2)
LATCH
Q424
L:PB CHARACTER ON 5B
IC404(2/2)
LATCH
Q423
H:REC CHARCTER ON 6B
1/2 VD
RESET
IC201
+12V
+9V REG
CP201
L:FULL ERASE ON
Q413
Q201,202
TIMING GEN
D107
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8B
9B
TC HEAD
TP104
IC105
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1st TC PB AMP
RV102 TC REC LEVEL
Q110
TP101
RV101 TC PB LEVEL
LIMITER AMP
IC101(2/2)
2nd TC PB AMP
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LIMITER
TP102
Q102
Q103
IC107(2/2)
Q111
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IC107(1/2)
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8A INT TC
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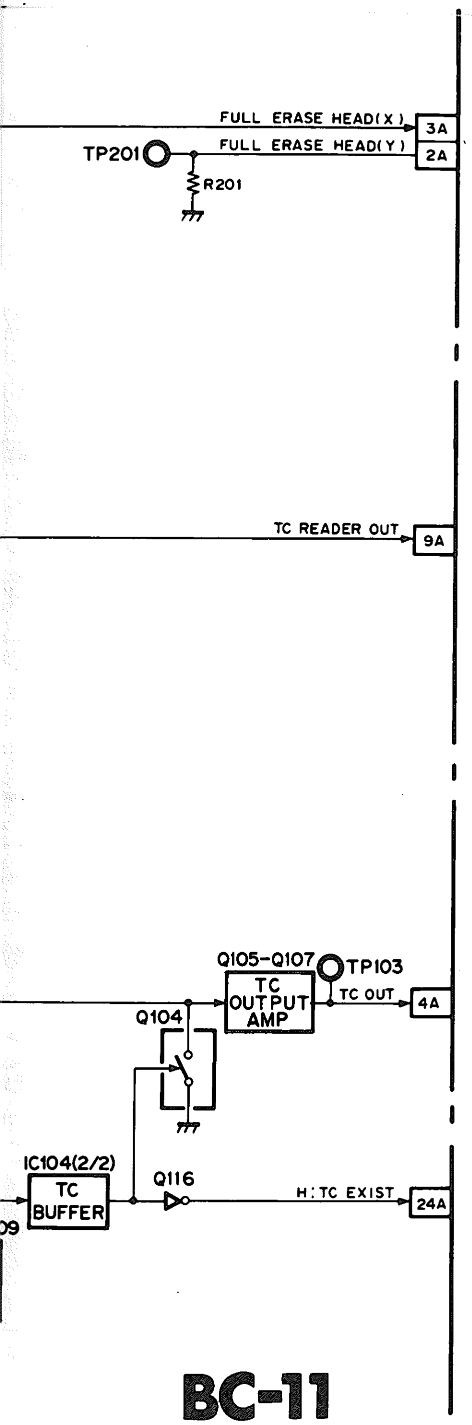
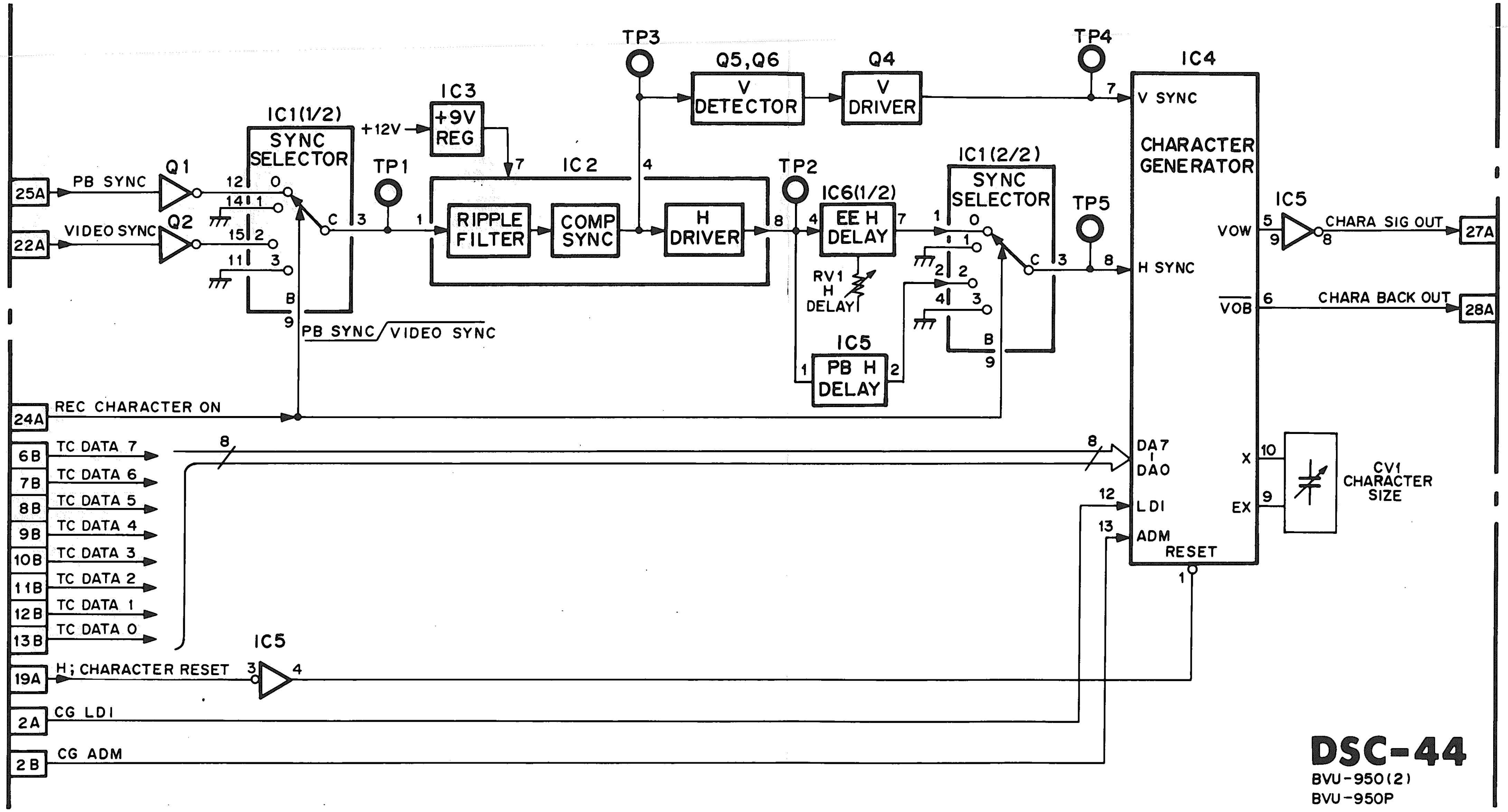
LIMITER AMP
IC106(1/2)
EE AMP
D103,104
LIMITER
REC
IC102
PB
REC
Q115
IC104(1/2)
TC DETECTOR
Q108
RESET DELAY



BC-11

BVU-950(2)
BVU-950P

CHARACTER GENERATOR



DSC-44

BVU-950(2)
BVU-950P

SECTION 15
SEMICONDUCTOR ELECTRODES

ここに記載されているIC、トランジスタ、ダイオードは、それぞれの機能を等価的に表わしたものです。したがって互換性を表わすものではありません。(互換性のない型名が併記されている事もあります。)部品の交換をする時は、SPARE PARTSの章を参照して下さい。

ICs, transistors and diodes whoses functions are equivalent are described here. Therefore, incompatible device names may be described together. For parts replacement, refer to the Spare Parts section in this manual.

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等価回路はICメーカーのData Bookに従いました。

The circuit diagram of each IC is obtained from the IC data book published by the manufacturer.

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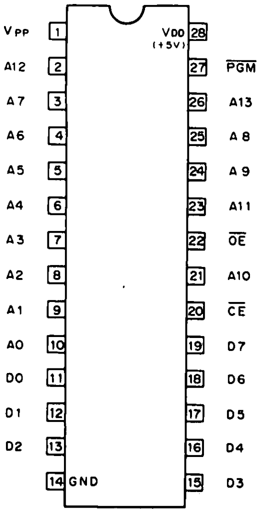
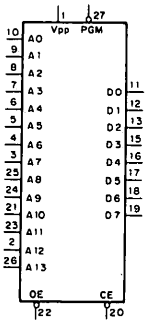
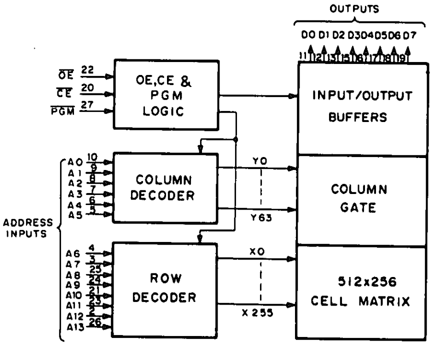
U05E 15-27

27128-25 (INTEL) (ACCESS TIME = 250 nS)
N-MOS UV EPROM 128K-BIT (16384x8)
— TOP VIEW —



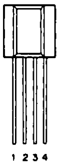




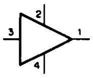
TERMINAL / MODE	CE	OE	PGM	VPP	Vcc	OUTPUTS
READ	0	0	1	+5V	+5V	DATA OUT
STANDBY	1	X	X	+5V	+5V	HIGH IMPEDANCE
PROGRAMMING	0	1	0	+21V	+21V	DATA IN
PROGRAM VERIFY	0	0	1	+21V	+5V	DATA OUT
PROGRAM INHIBIT	1	X	X	+21V	+5V	HIGH IMPEDANCE
HIGH SPEED PROGRAMMING	0	1	0	+21V	+6V	DATA IN

1 ; TTL LEVEL HIGH VOLTAGE IN
0 ; TTL LEVEL LOW VOLTAGE IN
X ; DON'T CARE (1 OR 0)

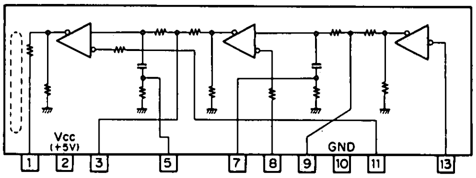
AN607P (MATSUSHITA)
AN608P (MATSUSHITA)
WIDE BAND AMPLIFIER
— PRINTED SIDE VIEW —



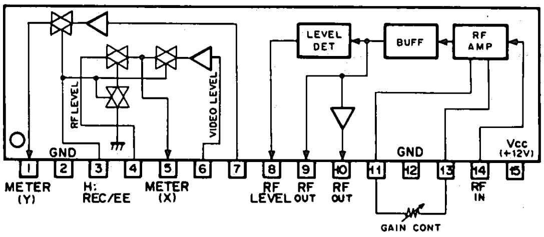
1: OUTPUT
2: Vcc (+12V)
3: INPUT
4: GND



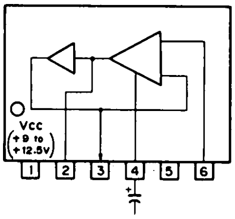
BX1140L (ROHM)
HF AMP
— REAR VIEW —



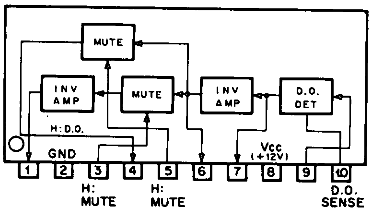
BX1246L (ROHM)
RF AND VIDEO LEVEL METER DRIVER
— PRINTED SIDE VIEW —



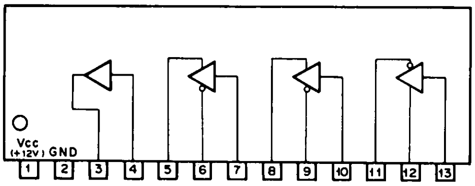
BX1247L (ROHM)
LOWER FREQUENCY BOOSTER AMPLIFIER
— PRINTED SIDE VIEW —



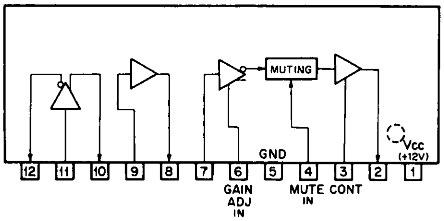
BX1248L (ROHM)
DROPOUT DETECTOR
— PRINTED SIDE VIEW —



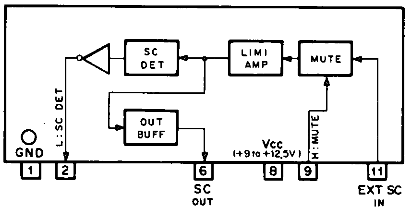
BX1249L (ROHM)
VIDEO PHASE EQUALIZER
— PRINTED SIDE VIEW —



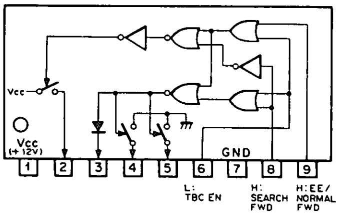
BX1250L (ROHM)
CHROMA OUTPUT AMPLIFIER
— REAR VIEW —



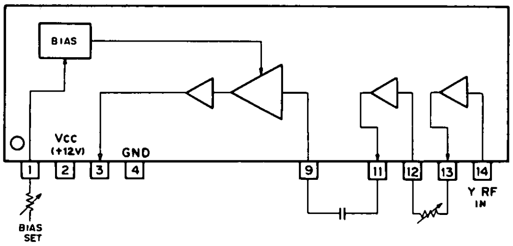
BX1251L (ROHM)
EXTERNAL SUBCARRIER AMPLIFIER
— PRINTED SIDE VIEW —



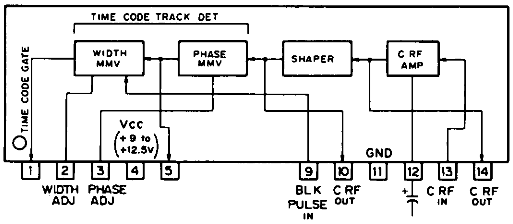
BX1252AL (ROHM)
TBC SEARCH/STILL VCO SHIFT SWITCH
— PRINTED SIDE VIEW —



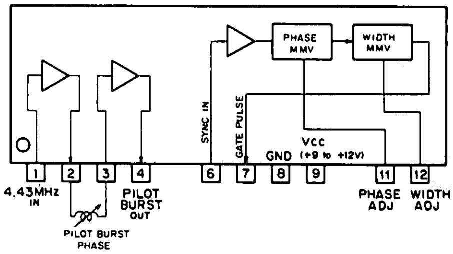
BX1257L (ROHM)
Y-RF SIDE BAND EQUALIZER
— PRINTED SIDE VIEW —



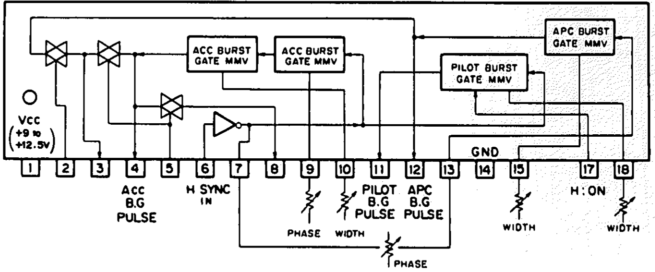
BX1258L (ROHM)
TIME CODE MUTE GENERATOR
— PRINTED SIDE VIEW —



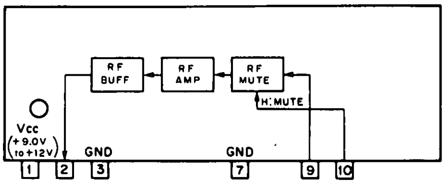
BX1262L (ROHM)
PILOT BURST INSERTER
— PRINTED SIDE VIEW —



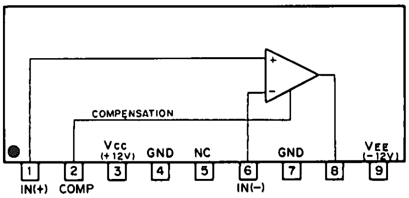
BX1264L (ROHM)
ACC/APC BURST GATE PULSE GENERATOR
— PRINTED SIDE VIEW —



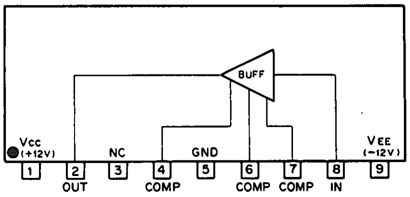
BX1265L (ROHM)
VIDEO HEAD AMPLIFIER/MUTING
— PRINTED SIDE VIEW —



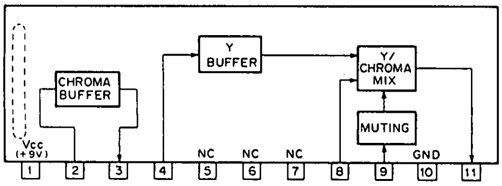
BX365AL (ROHM)
VIDEO AMPLIFIER
— SIDE VIEW —



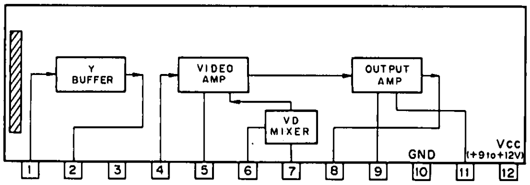
BX366AL (ROHM)
VIDEO BUFFER
— SIDE VIEW —



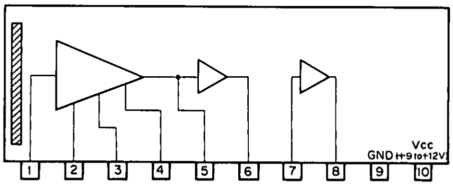
BX373AL (ROHM)
MIX AMP
— REAR VIEW —



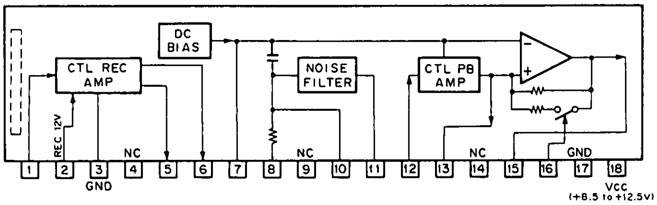
BX388L (ROHM)
VIDEO AMP/VD MIXER
— PRINTED SIDE —



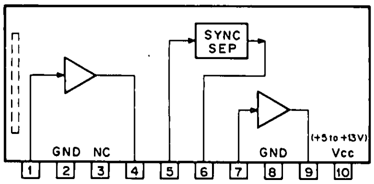
BX389L (ROHM)
VIDEO AMPLIFIER
— PRINTED SIDE —



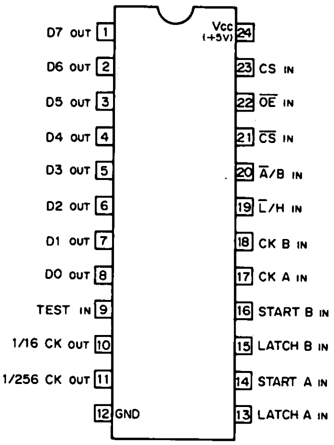
BX3914 (SONY)
CTL REC/PB AMPLIFIER
— PRINTED SIDE —

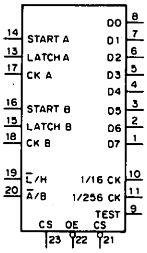


BX3915A (SONY)
SYNC SEPARATOR
— PRINTED SIDE —



CF77074NT (TI)
CLOCK COUNTER
— TOP VIEW —



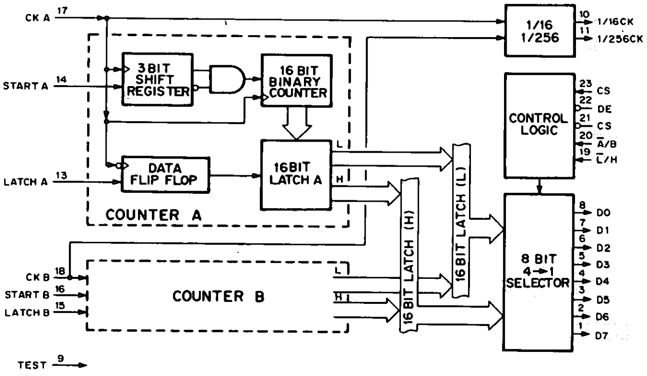


A̅/B ; DATA LATCH A/B SELECT INPUT
CKA,CKB; CLOCK INPUT
(⨍ → COUNT UP
⨍ → LATCH)
CS ; CHIP SELECT INPUT
D0-D7 ; DATA OUTPUT
L̅/H ; DATA LATCH LOW/HIGH SELECT INPUT
OE ; OUTPUT ENABLE INPUT

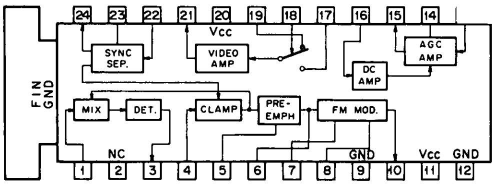
MODE SELECT

INPUT					OUTPUT
CS	CS̅	OE̅	A̅/B	L̅/H	D0-D7
0	X	X	X	X	HI-Z
1	0	0	0	0	LATCH A LOW BYTE
1	0	0	0	1	LATCH A HIGH BYTE
1	0	0	1	0	LATCH B LOW BYTE
1	0	0	1	1	LATCH B HIGH BYTE
X	1	X	X	X	HI-Z
X	X	1	X	X	

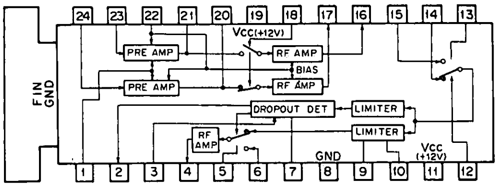
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE



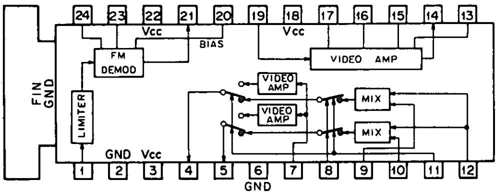
CX131A (SONY)
— TOP VIEW —



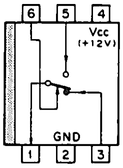
CX134A (SONY)
HEAD AMP/DROPOUT COMPENSATOR
— TOP VIEW —



CX135 (SONY)
— TOP VIEW —

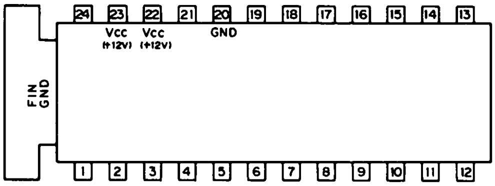


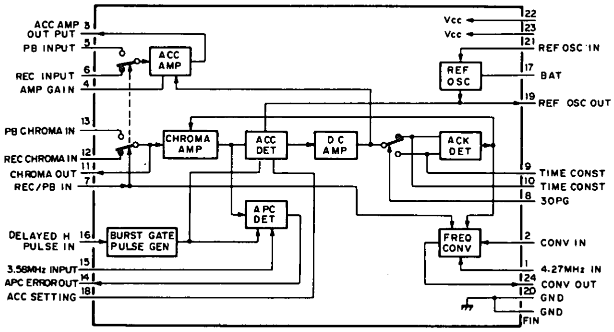
CX20060 (SONY)
ANALOG SWITCH
— TOP VIEW —



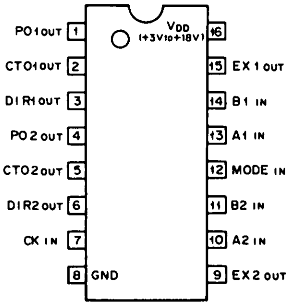
CONT. INPUT (PIN6)	SW
LOW OR OPEN	⊸•⊸
HIGH	⊸•⊸

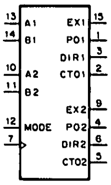
CX188
CHROMINANCE SIGNAL PROCESSER
— TOP VIEW —





CX23028 (SONY)
C-MOS SYNCHRONOUS ROTATIONAL DIRECTION DETECTOR
— TOP VIEW —





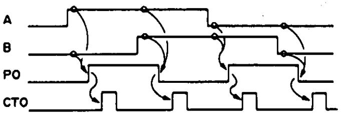
A, B ; SIGNAL INPUTS
EX ; A⊕B
PO ; A⊕B (SYNCHRONOUS)
DIR ; DIRECTION OUTPUT
CTO ; COUNT PULSE OUTPUT
MODE ; DIR1 & CTO1 MODE SELECT
⊕ ; EXCLUSIVE-OR

MODE = "1"

DIRECTION OUTPUT "DIR"

INPUTS	DIR
A∠B	1
B∠A	0

TIMING CHART "CTO"



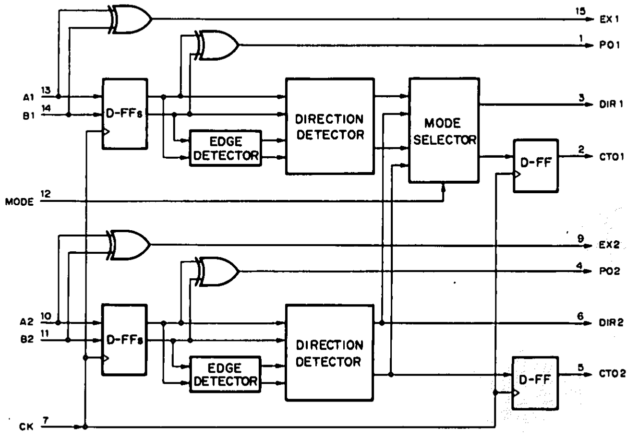
MODE = "0"

DIRECTION OUTPUT "DIR"

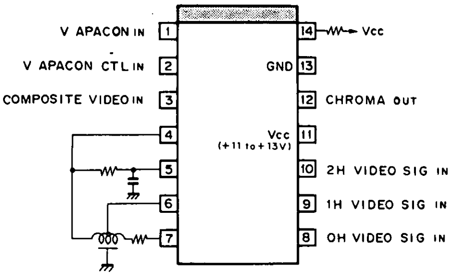
INPUTS		DIR 1	DIR 2
CH1	CH2		
A1∠B1	A2∠B2	1	THE SAME FUNCTION OF MODE "1"
B1∠A1	A2∠B2	OUTPUT "1" AND "0" ALTERNATELY	
A1∠B1	B2∠A2		
B1∠A1	B2∠A2	0	

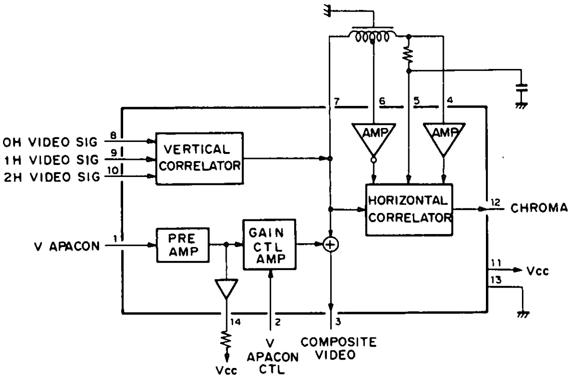
CTO 1 ; CTO 1 with MODE "0" = CTO 1 with MODE "1" + CTO 2
CTO 2 ; THE SAME FUNCTION OF MODE "1"

1 ; HIGH LEVEL
0 ; LOW LEVEL
A∠B ; THE PHASE OF SIGNAL A IS IN ADVANCE FOR THE PHASE OF B.



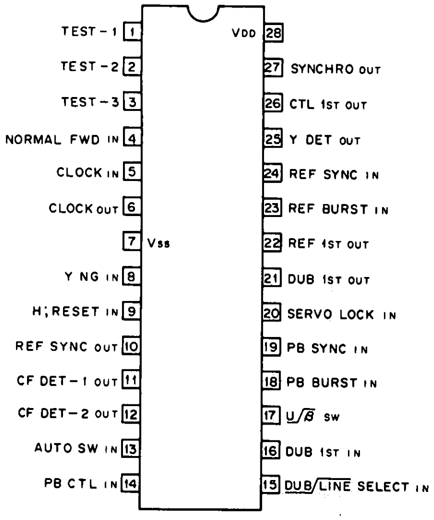
CX22013 (SONY)
DYNAMIC COMB FILTER
— TOP VIEW —

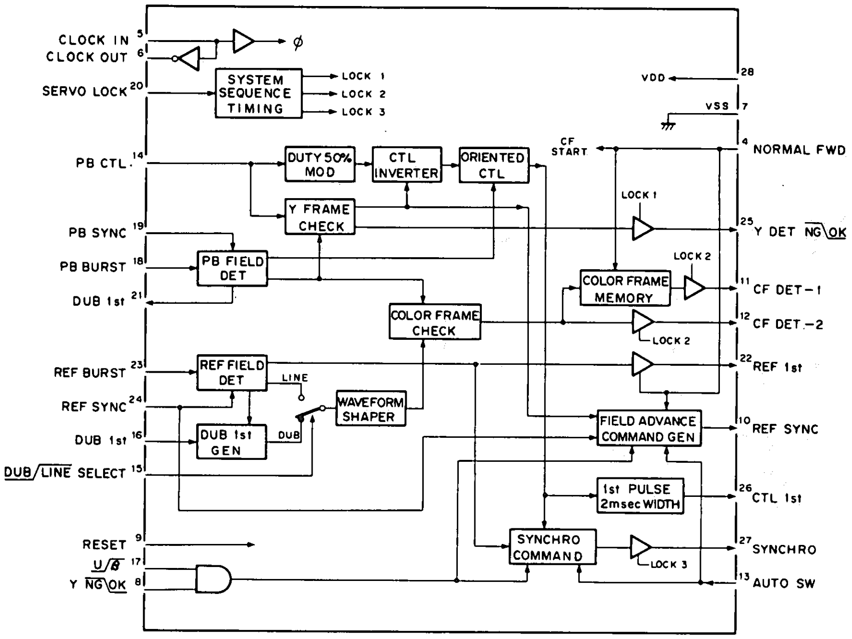




CX7928 (SONY)

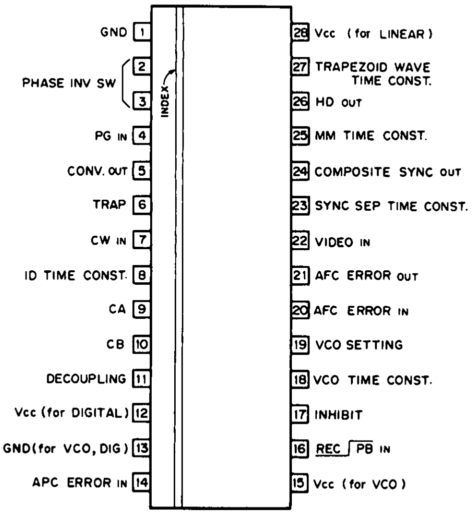
C-MOS COLOR FRAMING CONTROL (PAL/SECAM)
—TOP VIEW—

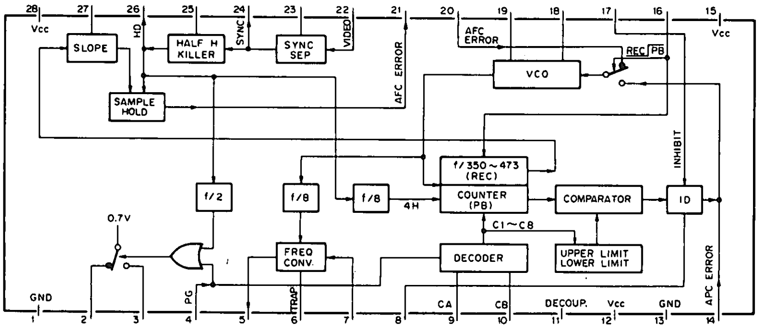




CX859 (SONY)

—TOP VIEW—





DECODER TRUTH TABLE

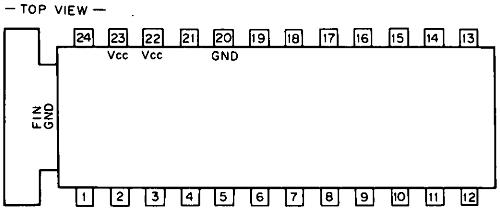
CB / CA	LOW	OPEN	HIGH
LOW	C1	C7	—
OPEN	C4	C5	C6
HIGH	—	*C2 C3	C8

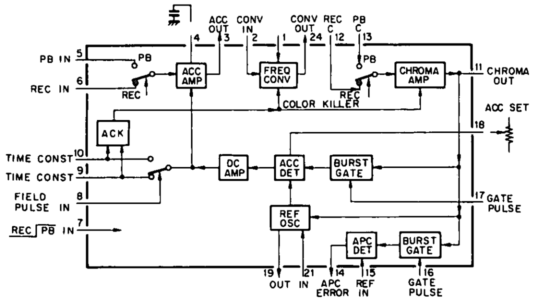
* PG : L --- C2
PG : H --- C3

AFC/APC PRESET DATA

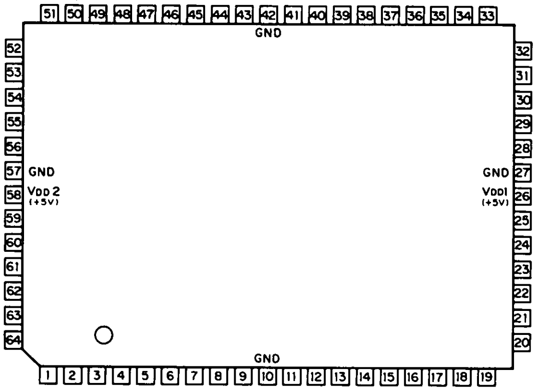
	AFC COUNT DOWN	APC ID COUNT	
		UPPER LIM.	LOWER LIM.
C1	f/473	105	95
C2	f/351	129	119
C3	f/353	137	127
C4	f/351	118	104
C5	f/351	131	117
C6	f/351	144	130
C7	f/350	136	104
C8	———	125	115

CX872 (SONY)
— TOP VIEW —

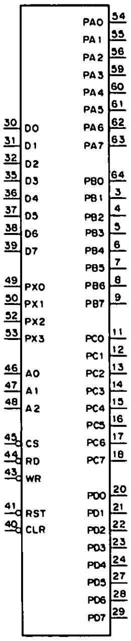




CXD1095Q (SONY) FLAT PACKAGE
C-MOS I/O PORT EXPANDER
— TOP VIEW —



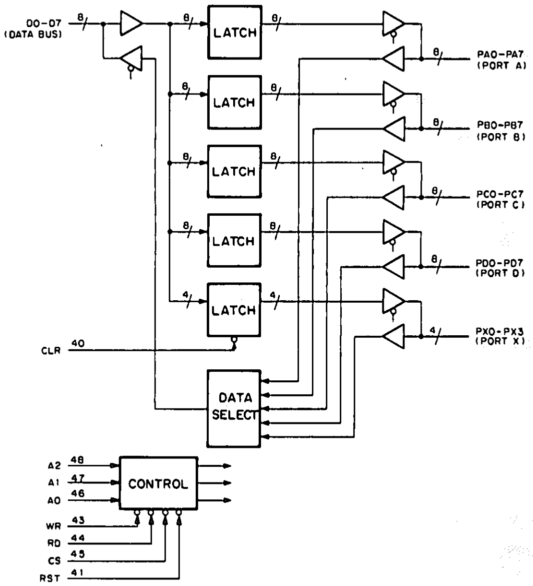
PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1			NC	17	○	○	PC6	33			NC	49	○	○	PX0
2			NC	18	○	○	PC7	34			NC	50	○	○	PX1
3	○	○	PB1	19			NC	35	○	○	D3	51			NC
4	○	○	PB2	20	○	○	PD0	36	○	○	D4	52	○	○	PX2
5	○	○	PB3	21	○	○	PD1	37	○	○	D5	53	○	○	PX3
6	○	○	PB4	22	○	○	PD2	38	○	○	D6	54	○	○	PA0
7	○	○	PB5	23	○	○	PD3	39	○	○	D7	55	○	○	PA1
8	○	○	PB6	24	○	○	PD4	40	○		CLR	56	○	○	PA2
9	○	○	PB7	25			GND	41	○		RST	57			GND
10			GND	26	○		VDD (+5V)	42			GND	58	○		VDD (+5V)
11	○	○	PC0	27	○	○	PD5	43	○		WR	59	○	○	PA3
12	○	○	PC1	28	○	○	PD6	44	○		RD	60	○	○	PA4
13	○	○	PC2	29	○	○	PD7	45	○		CS	61	○	○	PA5
14	○	○	PC3	30	○	○	D0	46	○		A0	62	○	○	PA6
15	○	○	PC4	31	○	○	D1	47	○		A1	63	○	○	PA7
16	○	○	PC5	32	○	○	D2	48	○		A2	64	○	○	PB0



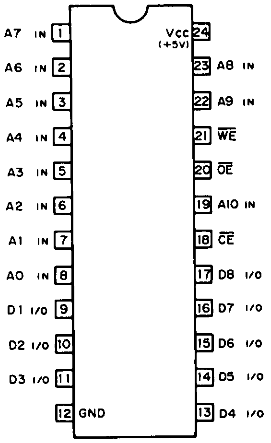
CS	RD	WR	A2	A1	A0	MODE
0	0	1	0	0	0	PORT A → DATA BUS
0	0	1	0	0	1	PORT B → DATA BUS
0	0	1	0	1	0	PORT C → DATA BUS
0	0	1	0	1	1	PORT D → DATA BUS
0	0	1	1	0	0	PORT X → DATA BUS
0	0	1	1	0	1	——
0	0	1	1	1	0	——
0	0	1	1	1	1	——
0	1	0	0	0	0	DATA BUS → PORT A
0	1	0	0	0	1	DATA BUS → PORT B
0	1	0	0	1	0	DATA BUS → PORT C
0	1	0	0	1	1	DATA BUS → PORT D
0	1	0	1	0	0	DATA BUS → PORT X
0	1	0	1	0	1	——
0	1	0	1	1	0	DATA BUS → CTL REG.1
0	1	0	1	1	1	DATA BUS → CTL REG.2
1	X	X	X	X	X	DATA BUS ; HI-Z

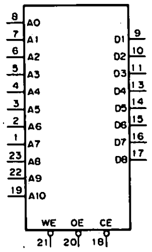
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z, HIGH IMPEDANCE

D0–D7 ; DATA BUS INPUTS/OUTPUTS
CS ; CHIP SELECT INPUT
RD ; READ STROBE INPUT
WR ; WRITE STROBE INPUT
A0–A2 ; ADDRESS INPUT
RST ; RESET INPUT
CLR ; CLEAR INPUT
PA0–PA7 ; PORT A INPUTS/OUTPUTS
PB0–PB7 ; PORT B INPUTS/OUTPUTS
PC0–PC7 ; PORT C INPUTS/OUTPUTS
PD0–PD7 ; PORT D INPUTS/OUTPUTS
PX0–PX3 ; PORT X INPUTS/OUTPUTS



CXK5816PN-10 (SONY) (ACCESS TIME=100nS)
CXK5816PN-10L (SONY) (ACCESS TIME=100nS)
CXK5816PN-12 (SONY) (ACCESS TIME=120nS)
CXK5816PN-12L (SONY) (ACCESS TIME=120nS)
CXK5816PN-15 (SONY) (ACCESS TIME=150nS)
CXK5816PN-15L (SONY) (ACCESS TIME=150nS)
C-MOS 16384-BIT (2048x8) STATIC RAM
— TOP VIEW —

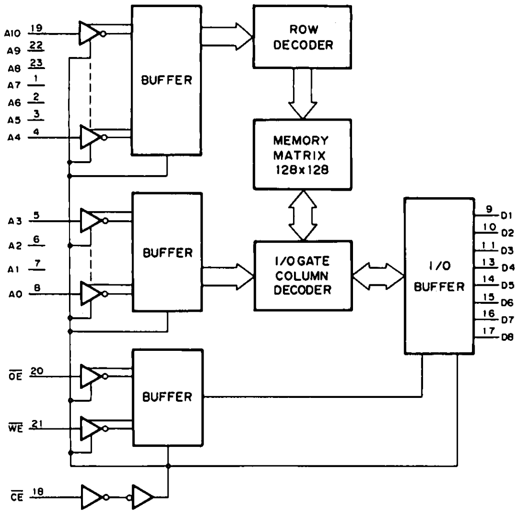




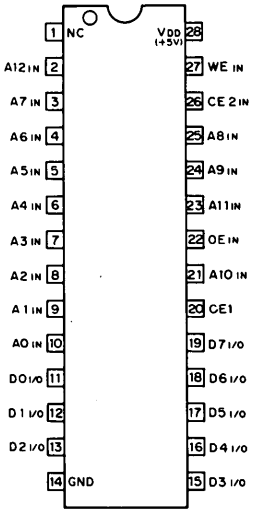
A0 - A10 ; ADDRESS INPUTS
$\overline{CE}$; CHIP ENABLE
D1 - D8 ; DATA INPUTS/OUTPUTS
$\overline{OE}$; OUTPUT ENABLE
$\overline{WE}$; WRITE ENABLE

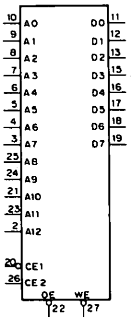
INPUTS			FUNCTION
$\overline{CE}$	$\overline{OE}$	$\overline{WE}$	
1	X	X	NO SELECTION(HI-Z)
0	1	1	OUTPUT DISABLE(HI-Z)
0	0	1	READ
0	X	0	WRITE

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE



CXK5864PN-10 (SONY) (ACCESS TIME=100nS)
CXK5864PN-10L (SONY) (ACCESS TIME=100nS)
CXK5864PN-12 (SONY) (ACCESS TIME=120nS)
CXK5864PN-12L (SONY) (ACCESS TIME=120nS)
CXK5864PN-15 (SONY) (ACCESS TIME = 150 nS)
CXK5864PN-15L (SONY) (ACCESS TIME = 150 nS)
C-MOS 64K (8Kx8-BIT) STATIC RAM
— TOP VIEW —



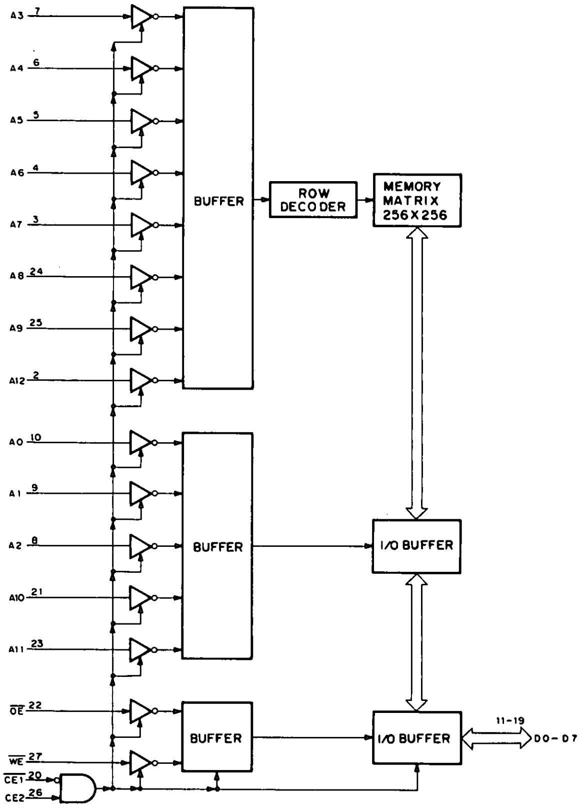


A0 - A12 ; ADDRESS INPUTS
CE1, CE2 ; CHIP ENABLE 1, 2 INPUTS
D0 - D8 ; DATA INPUTS/OUTPUTS
OE ; OUTPUT ENABLE INPUT
WE ; WRITE ENABLE INPUT

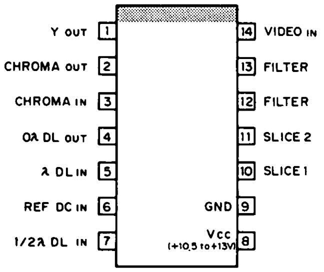
MODE SELECTION

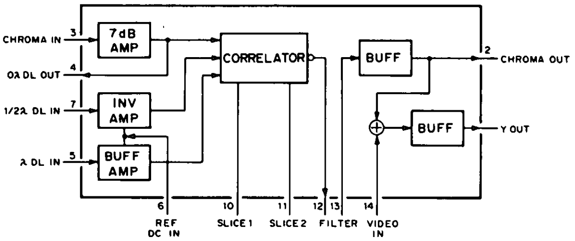
CONTROL INPUTS				MODE
CE1	CE2	OE	WE	
1	X	X	X	NO CHANGE
X	0	X	X	NO CHANGE
0	1	1	1	DISABLE OUTPUT
0	1	0	1	READ
0	1	X	0	WRITE

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

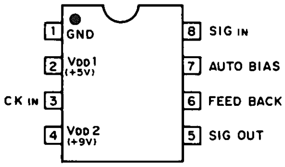


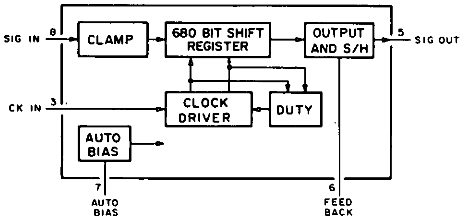
CXA1020P (SONY)
CHROMA CROSS-COLOR NOISE REDUCER/EDGE COMPENSATOR
— TOP VIEW —



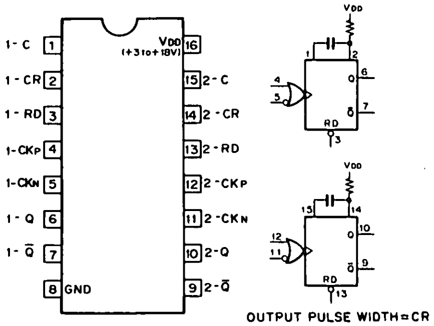


CXL5001P (SONY)
C-MOS CCD FOR NTSC 1H DELAY LINE
— TOP VIEW —

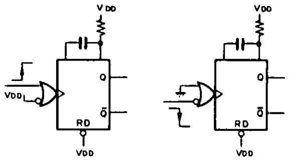




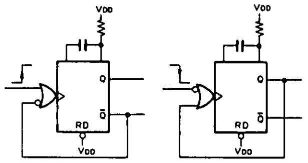
HD14538BP (HITACHI)
TC4538BP (TOSHIBA)
C-MOS DUAL RETRIGGERABLE/NON-RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
— TOP VIEW —



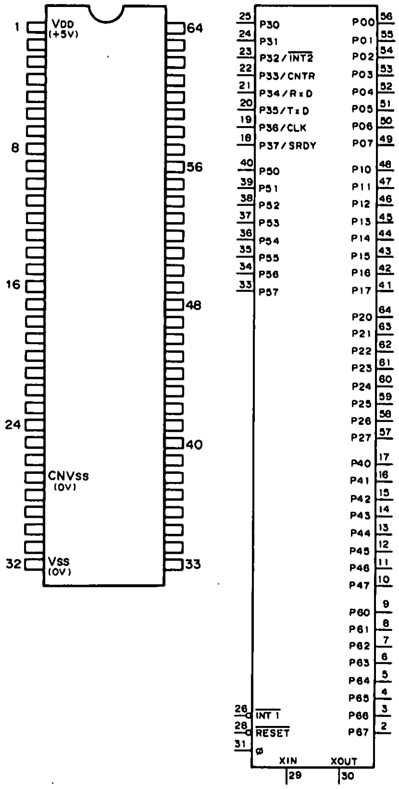
RETRIGGERABLE M.M.V



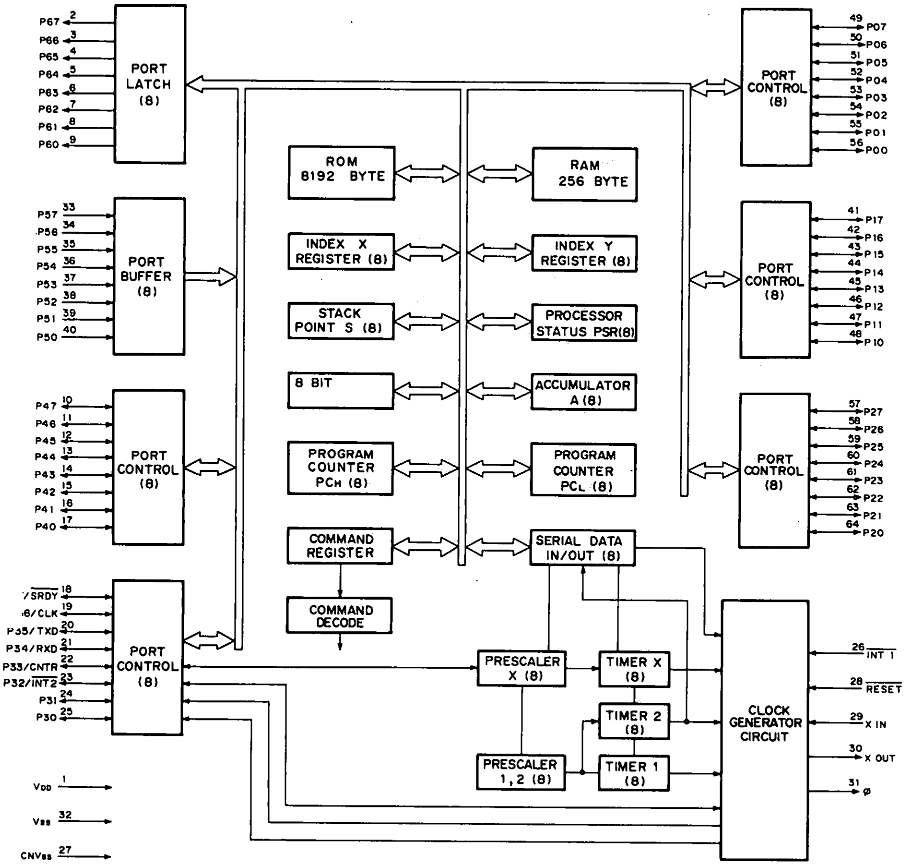
NON-RETRIGGERABLE M.M.V



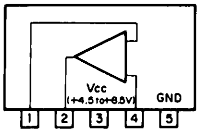
M50747H-XXXSP
C-MOS PROCESS 8-BIT ONE CHIP MICROCOMPUTER
— TOP VIEW —



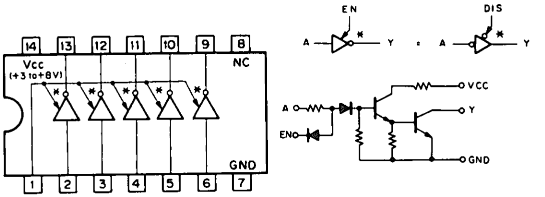
INT 1 ; INTERRUPT 1 IN
P00-P07 ;
P10-P17 ;
P20-P27 ; 8 BIT I/O PORT
P30-P37 ;
P40-P47 ;
P50-P57 ; 8 BIT IN PORT
P60-P67 ; 8 BIT OUT PORT
RESET ; RESET IN (⌐⌙)
X IN/OUT ; CLOCK IN/OUT
φ ; CLOCK TIMING OUT
P32/INT2 ; PORT/INTERRUP2 IN/OUT
P33/CNTR ; PORT/CONTROL IN/OUT
P34/RXD ; RECEIVED DATA
P35/TXD ; TRANCEMITTED DATA
P36/CLK ; PORT/CLOCK IN/OUT
P37/SRDY ; SERIAL IN READY



M5215L (MUTSUBISHI)
FM IF AMPLIFIER
— REAR VIEW —



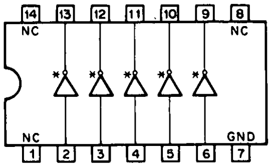
M54529AP (MITSUBISHI)
TRANSISTOR ARRAY
— TOP VIEW —



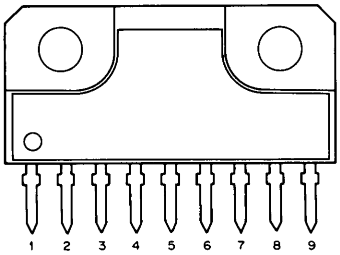
A	EN	Y
0	1	1
1	1	0
X	0	1

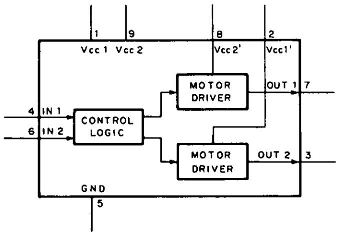
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
✱ ; OPEN COLLECTOR

M54516P (MITSUBISHI)
INVERTER WITH OPEN-COLLECTOR
(DARLINGTON-CONNECTED TRANSISTOR ARRAY)
— TOP VIEW —



M54543L (MITSUBISHI)
BI-DIRECTIONAL MOTOR DRIVER
— SIDE VIEW —

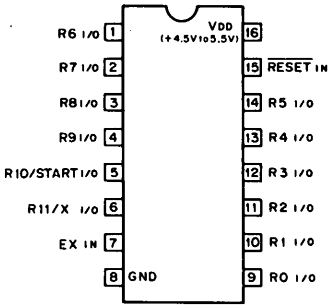


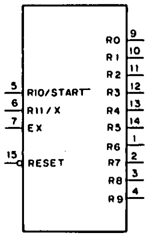


IN		OUT		MODE
1	2	1	2	
0	0	Z	Z	NO OPERATION
1	0	1	0	ROTATION
0	1	0	1	REVERSE ROTATION
1	1	0	0	BRAKE

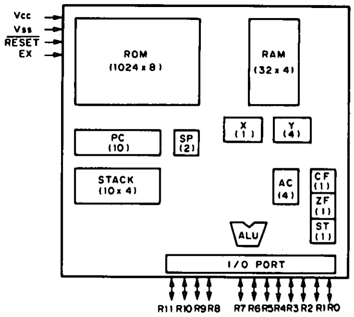
0 : LOW LEVEL
1 : HIGH LEVEL
Z : HIGH IMPEDANCE

MB88201H-539N (FUJITSU)
C-MOS 4 BIT MICROCOMPUTER
— TOP VIEW —

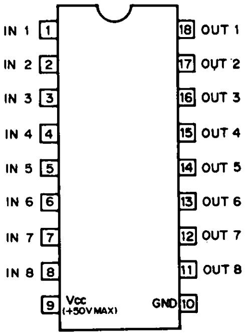


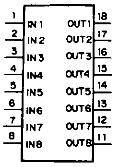


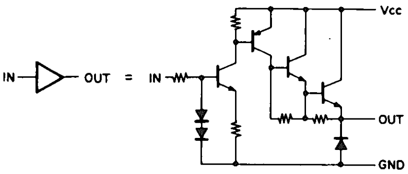
EX ; EXTERNAL X'TAL IN
R0–R11 ; I/O PORT(R) IN/OUT
$\overline{\text{RESET}}$; RESET IN
START ; STANDBY RELEASE IN
R11/X ; EXT CLOCK IN/INT CLOCK OUT



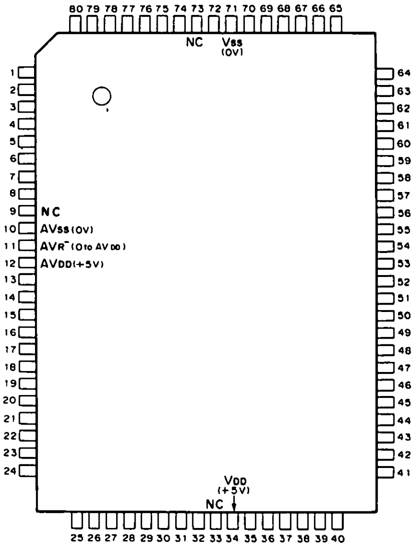
M54562P (MITSUBISHI)
SOURCE TYPE DARLINGTON TRANSISTOR ARRAY
— TOP VIEW —





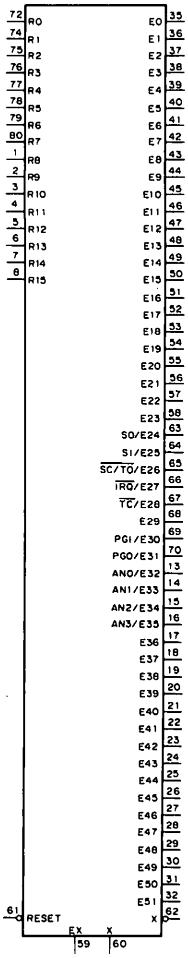


MB88551-H (FUJITSU) FLAT PACKAGE
C-MOS 4 BIT ONE-CHIP MICROPROCESSOR
— TOP VIEW —

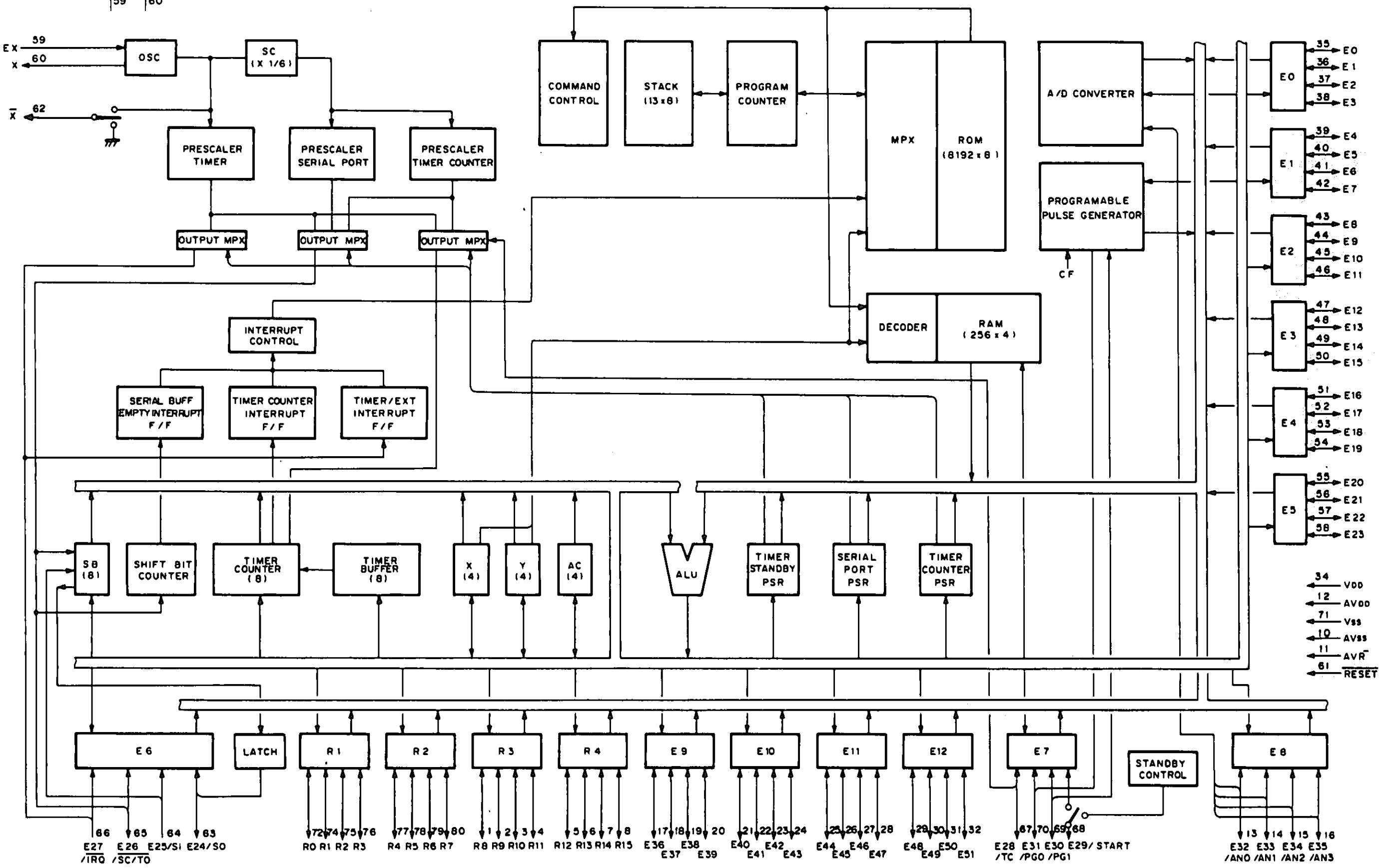


PIN NO.	IN	OUT	SYMBOL	PIN NO.	IN	OUT	SYMBOL
1	○	○	R8	41	○	○	E6
2	○	○	R9	42	○	○	E7
3	○	○	R10	43	○	○	E8
4	○	○	R11	44	○	○	E9
5	○	○	R12	45	○	○	E10
6	○	○	R13	46	○	○	E11
7	○	○	R14	47	○	○	E12
8	○	○	R15	48	○	○	E13
9	—	—	——	49	○	○	E14
10			AVss	50	○	○	E15
11			AVR⁻	51	○	○	E16
12			AVDD	52	○	○	E17
13	○	○	E32/AN0	53	○	○	E18
14	○	○	E33/AN1	54	○	○	E19
15	○	○	E34/AN2	55	○	○	E20
16	○	○	E35/AN3	56	○	○	E21
17	○	○	E36	57	○	○	E22
18	○	○	E37	58	○	○	E23
19	○	○	E38	59	○		EX
20	○	○	E39	60		○	X
21	○	○	E40	61	○		$\overline{\text{RESET}}$
22	○	○	E41	62		○	$\overline{\text{X}}$/(OPEN)*
23	○	○	E42	63	○	○	E24/SO
24	○	○	E43	64	○	○	E25/SI
25	○	○	E44	65	○	○	E26/$\overline{\text{SC/TO}}$
26	○	○	E45	66	○	○	E27/$\overline{\text{IRQ}}$
27	○	○	E46	67	○	○	E28/$\overline{\text{TC}}$
28	○	○	E47	68	○	○	E29/START*
29	○	○	E48	69	○	○	E30/PGI
30	○	○	E49	70	○	○	E31/PGO
31	○	○	E50	71			Vss
32	○	○	E51	72	○	○	R0
33	—	—	——	73	—	—	——
34			VDD	74	○	○	R1
35	○	○	E0	75	○	○	R2
36	○	○	E1	76	○	○	R3
37	○	○	E2	77	○	○	R4
38	○	○	E3	78	○	○	R5
39	○	○	E4	79	○	○	R6
40	○	○	E5	80	○	○	R7

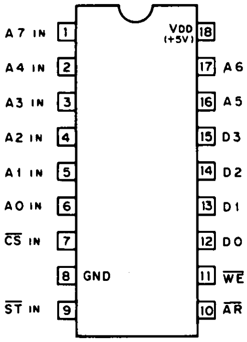
* MASK OPTION

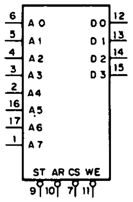


AN0-AN3 ;ANALOG SIGNAL IN
E0-E51 ;I/O PORT (E PORT) IN/OUT
EX ;EXTERNAL CLOCK IN
IRQ ;EXTERNAL INTERRUPT
REQUEST IN (⌝_)
PGI ;PROGRAMABLE PULSE
GENERATOR TRIGGER IN
PGO ;PROGRAMABLE PULSE
GENERATOR OUT
R0-R15 ;I/O PORT (R PORT) IN/OUT
RESET ;RESET IN
SC/TO ;SHIFT CLOCK IN/OUT
/TIMING OUT
SI ;SERIAL DATA IN
SO ;SERIAL DATA OUT
TC ;COUNT CLOCK IN (⌝_)
X ;CLOCK OUT

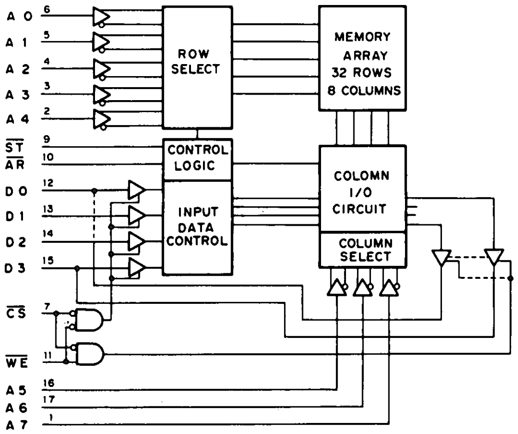


MBM2212-25P (FUJITSU) (ACCESS TIME = 250nS)
N-MOS 1024 (256x4)-BIT NONVOLATILE STATIC RAM
— TOP VIEW —





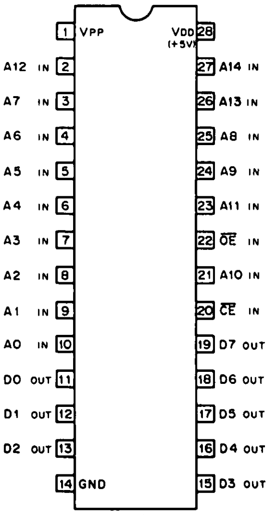
A0 - A7 ; ADDRESS INPUTS
AR ; ARRAY RECALL
CS ; CHIP SELECT
D0 - D3 ; DATA INPUT/OUTPUT
ST ; STORE
WE ; WRITE ENABLE

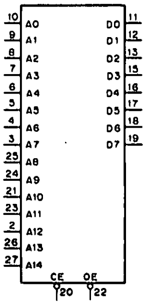


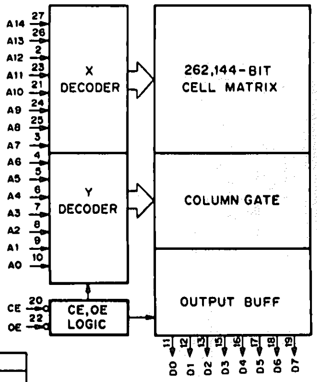
INPUTS				I/O	MODE
$\overline{\text{CS}}$	$\overline{\text{WE}}$	$\overline{\text{AR}}$	$\overline{\text{ST}}$		
1	X	1	1	HI-Z	NOT SELECTED
0	1	1	1	OUTPUT DATA	RAM READ
0	0	1	1	INPUT DATA 1	RAM WRITE "1"
0	0	1	1	INPUT DATA 0	RAM WRITE "0"
X	1	0	1	HI-Z	ARRAY RECALL
1	X	0	1	HI-Z	ARRAY RECALL
X	1	1	0	HI-Z	NONVOLATILE STORING
1	X	1	0	HI-Z	NONVOLATILE STORING

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

MBM27C256-25 (FUJITSU) (ACCESS TIME = 250 nS)
C-MOS 256K (32K-8) ERASABLE PROM WITH 3-STATE OUTPUTS
— TOP VIEW —





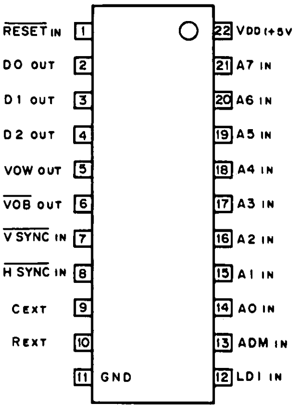


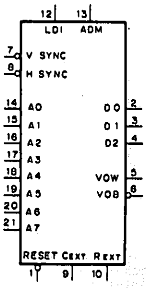
A0-A12 : ADDRESS
CE ; CHIP ENABLE
D0-D7 ; DATA OUTPUT
OE ; OUTPUT ENABLE
VPP ; PROGRAM POWER SUPPLY

An	CE	OE	Vpp	Dn	FUNCTION
An	0	0	+5V	D OUT	READ
An	0	1	+5V	HI-Z	OUTPUT DISABLE
X	1	X	+5V	HI-Z	STANDBY
An	0	1	+21V	DIN	PGM
An	0	0	+21V	D OUT	PGM VERIFY
X	1	X	+21V	HI-Z	PGM INH

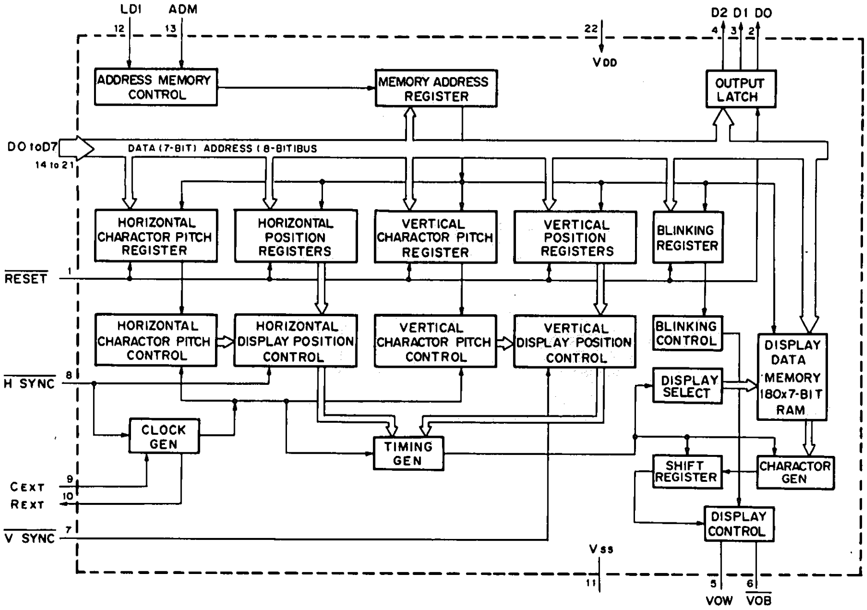
0 : LOW LEVEL
1 : HIGH LEVEL
X : DON'T CARE
HI-Z : HIGH IMPEDANCE

MB88303 (FUJITSU)
N-MOS PROGRAMMABLE TV DISPLAY CONTROLLER
— TOP VIEW —



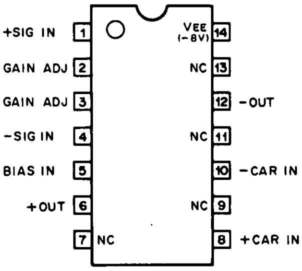


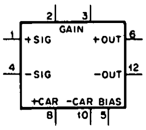
ADM ; ADDRESS INCREMENT MODE
A0 to A7 ; ADDRESS INPUT
D0 to D2 ; DATA OUTPUT
CEXT ; EXT CAPACITOR FOR OSC
LDI ; LOAD DATA AND INSTRUCTION
VOB ; VIDEO BLACK OUT
VOW ; VIDEO WHITE OUT
REXT ; EXT RESISTOR FOR OSC


LDI
ADM
12
13
22
VDD
D2 D1 D0
4 3 2
ADDRESS MEMORY CONTROL
MEMORY ADDRESS REGISTER
OUTPUT LATCH
D0 to D7
14 to 21
DATA (7-BIT) ADDRESS (8-BITIBUS
HORIZONTAL CHARACTOR PITCH REGISTER
HORIZONTAL POSITION REGISTERS
VERTICAL CHARACTOR PITCH REGISTER
VERTICAL POSITION REGISTERS
BLINKING REGISTER
RESET
1
HORIZONTAL CHARACTOR PITCH CONTROL
HORIZONTAL DISPLAY POSITION CONTROL
VERTICAL CHARACTOR PITCH CONTROL
VERTICAL DISPLAY POSITION CONTROL
BLINKING CONTROL
DISPLAY DATA MEMORY 180x7-BIT RAM
H SYNC
8
DISPLAY SELECT
CLOCK GEN
TIMING GEN
SHIFT REGISTER
CHARACTOR GEN
CEXT
9
REXT
10
V SYNC
7
DISPLAY CONTROL
VSS
11
5
6
VOW
VOB

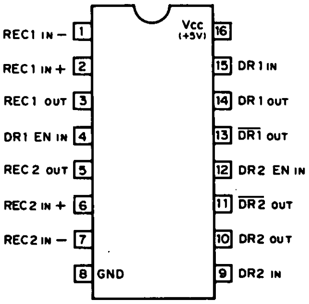
b3-b0 / b5-b4	0000	0001	0010	0011	0100	0101	0110	0111	1000	1001	1010	1011	1100	1101	1110	1111
00	A	B	C	D	E	F	G	H	I	J	K	L	M	·	␣	BLANK
01	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	:	■	(
10	0	1	2	3	4	5	6	7	8	9	?	!	'	.	BACK	)
11	↑	↓	←	→	+	—	*	/	=	&						

MC1496P (MOTOROLA)
BALANCED MODULATOR/DEMODULATOR
— TOP VIEW —





MC34051P (MOTOROLA)
RS-422 DRIVER/RECEIVER
— TOP VIEW —

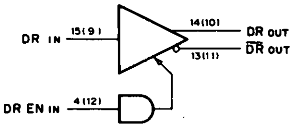


DR EN	MODE
0	DISABLE
1	ENABLE

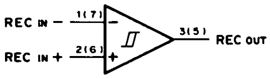
0 ; LOW LEVEL
1 ; HIGH LEVEL

DR ; DRIVER
DR EN ; DRIVER ENABLE
REC ; RECEIVER

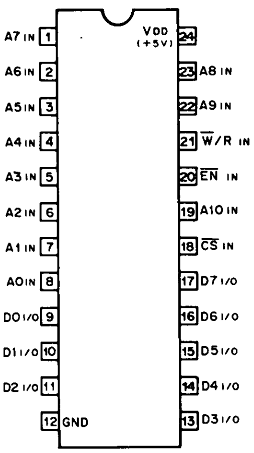
DRIVER CIRCUIT

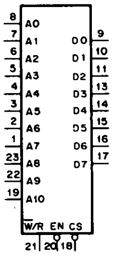


RECEIVER CIRCUIT



MSM5128-15RS (OKI) (ACCESS TIME = 150 nS)
C-MOS 16384(2048x8)-BIT HIGH SPEED STATIC RAM
— TOP VIEW —

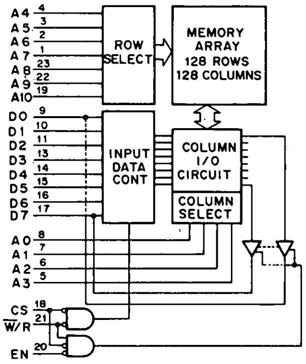




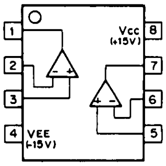
INPUTS			FUNCTION
CS	$\overline{W}$/R	EN	
0	0	X	WRITE
0	1	0	READ
0	1	1	DISABLE (OUTPUT=HI-Z)
1	X	X	DISABLE (OUTPUT=HI-Z)

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE
HI-Z ; HIGH IMPEDANCE

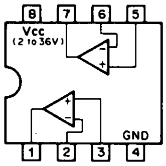
A0 - A10 ; ADDRESS INPUTS
$\overline{W}$/R ; WRITE/READ ENABLE
EN ; OUTPUT ENABLE
CS ; CHIP SELECT
D0 - D7 ; DATA INPUTS/OUTPUTS



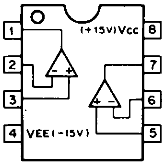
NJM2043D-D (JRC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



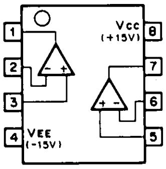
NJM2903D (JRC)
VOLTAGE COMPARATOR
— TOP VIEW —



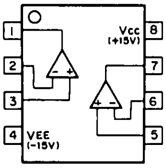
NJM4558D (JRC)
uPC4558C (NEC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



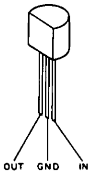
NJM4560D (JRC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



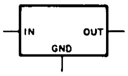
NJM4562D-D (JRC)
OPERATIONAL AMPLIFIER
— TOP VIEW —



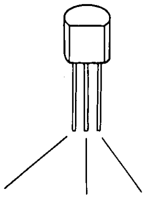
NJM78L ? ?A (NEC)
POSITIVE VOLTAGE REGULATOR (100mA)



+5V	NJM78L05A
+9V	NJM78L09A

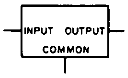


NJM79L ? ?A (JRC)
NEGATIVE VOLTAGE REGULATOR (100mA)
— FRONT VIEW —

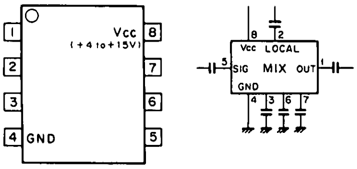


COMMON INPUT OUTPUT

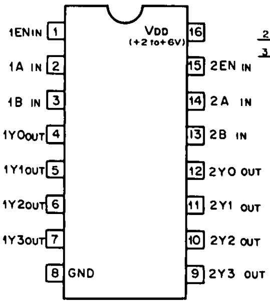
-5V	NJM79L05A

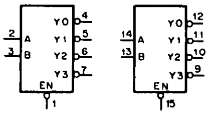


SN16913P (TI)
SN16913P-A (TI)
BALANCED MIXER
— TOP VIEW —



SN74HC139N (TI)
TC74HC139P (TOSHIBA)
C-MOS 1-OF-4 DECODER/DEMULTIPLEXER
— TOP VIEW —

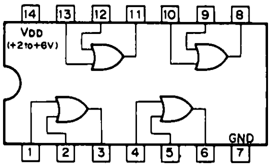


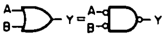


INPUTS			OUTPUTS			
EN	B	A	Y3	Y2	Y1	Y0
0	0	0	1	1	1	0
0	0	1	1	1	0	1
0	1	0	1	0	1	1
0	1	1	0	1	1	1
1	X	X	1	1	1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

SN74HC32N (TI)
C-MOS 2-INPUT OR GATE
— TOP VIEW —



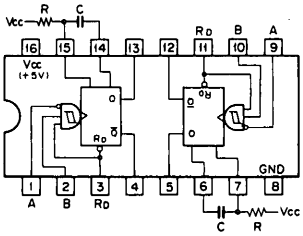


$Y = A+B = \overline{\bar{A} \cdot \bar{B}}$

A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

0 : LOW LEVEL
1 : HIGH LEVEL

SN74LS221N (TI)
TTL MONOSTABLE MULTIVIBRATOR WITH SCHMITT TRIGGER INPUT
— TOP VIEW —

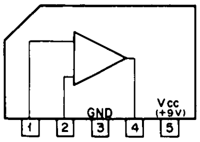


INPUTS			OUTPUTS	
RD	A	B	Q	$\bar{Q}$
0	X	X	0	1
X	1	X	0	1
X	X	0	0	1
1	0	↑	⊓	⊔
1	↓	1	⊓	⊔
↑	0	1	⊓	⊔

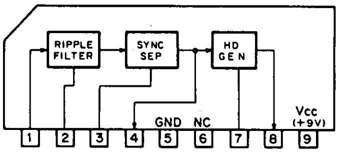
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

OUTPUT PULSE WIDTH = 0.7CR

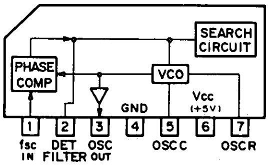
TA7060AP (TOSHIBA)
LINEAR AMP
— SIDE VIEW —



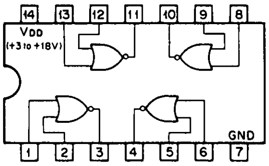
TA7357AP (TOSHIBA)
SYNC SEPARATOR/HD PULSE GENERATOR
— SIDE VIEW —

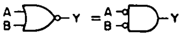


TA7374P (TOSHIBA)
THREE TIMES OSCILLATOR
— SIDE VIEW —



TC4001BP (TOSHIBA)
C-MOS 2-INPUT NOR GATE
— TOP VIEW —



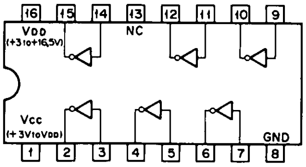


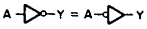
$Y = \overline{A+B} = \bar{A} \cdot \bar{B}$

A	B	Y
0	0	1
0	1	0
1	0	0
1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

TC4009UBP (TOSHIBA)
C-MOS INVERTING TYPE BUFFER/CONVERTER (TO TTL LEVEL)
— TOP VIEW —

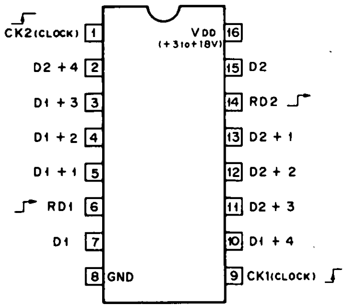


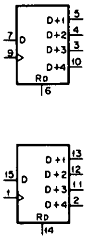


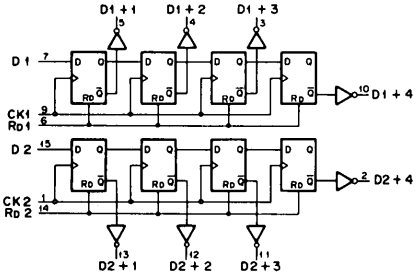
A	Y
0	1
1	0

TC4015BP (TOSHIBA)

C-MOS DUAL 4-STAGE STATIC SHIFT REGISTER WITH DIRECT RESET
— TOP VIEW —

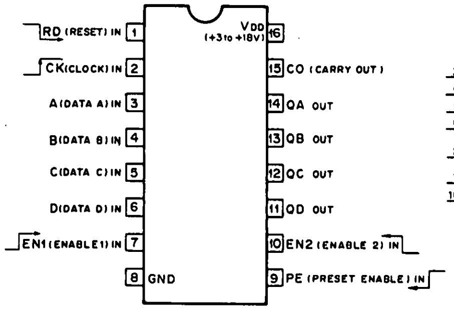


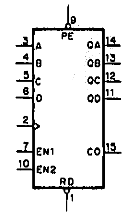




TC40161BP (TOSHIBA)

C-MOS PRESETTABLE SYNCHRONOUS 4-BIT BINARY COUNTER WITH ASYNCHRONOUS RESET
— TOP VIEW —

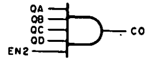




MODE SELECTION

CONTROL INPUTS				MODE
RD	PE	EN1	EN2	
0	X	X	X	RESET (ASYNCHRONOUS)
1	0	X	X	PRESET (SYNCHRONOUS)
1	1	0	X	NO COUNT
1	1	X	0	NO COUNT
1	1	1	1	COUNT

CARRY OUTPUT "CO"



CO IS HIGH WHEN EN2 INPUT IS HIGH AND COUNT IS "15".

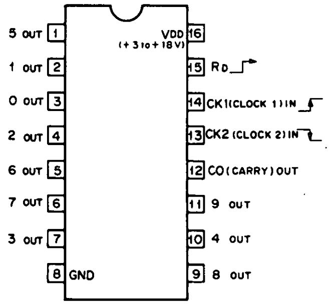
COUNT SEQUENCE

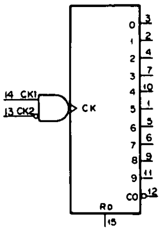
COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1
10	1	0	1	0
11	1	0	1	1
12	1	1	0	0
13	1	1	0	1
14	1	1	1	0
15	1	1	1	1

0;LOW LEVEL
1;HIGH LEVEL
X;DON'T CARE

TC4017BP (TOSHIBA)

C-MOS DECADE COUNTER/DIVIDER
— TOP VIEW —



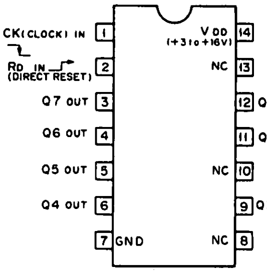


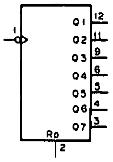
COUNT	INPUTS		OUTPUTS										
	RD	CK=CK1·C̄K̄2̄	9	8	7	6	5	4	3	2	1	0	CO
0	1	X	0	0	0	0	0	0	0	0	0	1	1
0	0	↑	0	0	0	0	0	0	0	0	0	1	1
1	0	↑	0	0	0	0	0	0	0	0	1	0	1
2	0	↑	0	0	0	0	0	0	0	1	0	0	1
3	0	↑	0	0	0	0	0	0	1	0	0	0	1
4	0	↑	0	0	0	0	0	1	0	0	0	0	1
5	0	↑	0	0	0	0	1	0	0	0	0	0	0
6	0	↑	0	0	0	1	0	0	0	0	0	0	0
7	0	↑	0	0	1	0	0	0	0	0	0	0	0
8	0	↑	0	1	0	0	0	0	0	0	0	0	0
9	0	↑	1	0	0	0	0	0	0	0	0	0	0
NO COUNT	0	1	NO CHANGE										
	0	0											

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

TC4024BP (TOSHIBA)

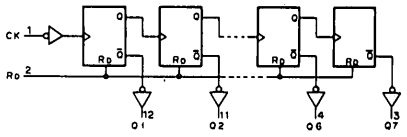
C-MOS ASYNCHRONOUS 7-BIT BINARY COUNTER
— TOP VIEW —





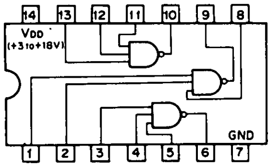
COUNT	INPUTS		OUTPUTS						
	CK	RD	Q7	Q6	Q5	Q4	Q3	Q2	Q1
0	X	1	0	0	0	0	0	0	0
1	↓	0	0	0	0	0	0	0	1
2	↓	0	0	0	0	0	0	1	0
3	↓	0	0	0	0	0	0	1	1
4	↓	0	0	0	0	0	1	0	0
	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
125	↓	0	1	1	1	1	1	0	1
126	↓	0	1	1	1	1	1	1	0
127	↓	0	1	1	1	1	1	1	1
—	0	0	NO CHANGE						
—	1	0							

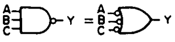
0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE



TC4023BP (TOSHIBA)

C-MOS 3-INPUT NAND GATE
— TOP VIEW —





$Y = \overline{A \cdot B \cdot C} = \overline{A} + \overline{B} + \overline{C}$

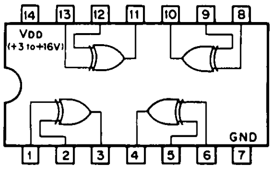
A	B	C	Y
X	X	0	1
X	0	X	1
0	X	X	1
1	1	1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

TC4030BP (TOSHIBA)
TC4030BPHB (TOSHIBA)

C-MOS EXCLUSIVE OR GATE

— TOP VIEW —



$Y = \bar{A} \cdot B + A \cdot \bar{B}$

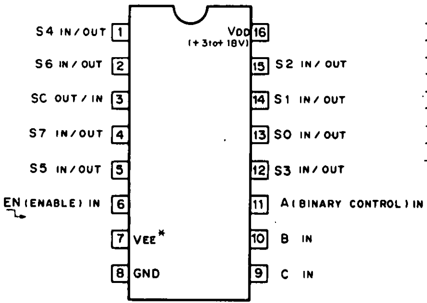
A	B	Y
0	0	0
0	1	1
1	0	1
1	1	0

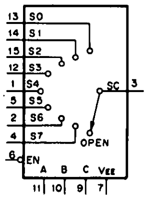
0: LOW LEVEL
1: HIGH LEVEL

TC4051BP (TOSHIBA)

C-MOS 8-CHANNEL MULTIPLEXER/DEMULTIPLEXER

— TOP VIEW —





VEE*; VDD−VEE = +3 to +18V

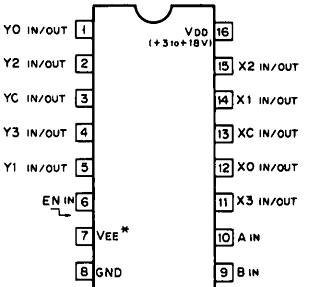
EN	C	B	A	"ON" CHANNEL
0	0	0	0	0
0	0	0	1	1
0	0	1	0	2
0	0	1	1	3
0	1	0	0	4
0	1	0	1	5
0	1	1	0	6
0	1	1	1	7
1	X	X	X	OPEN

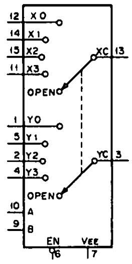
0: LOW LEVEL
1: HIGH LEVEL
X: DON'T CARE

TC4052BP (TOSHIBA)
TC4052BPHB (TOSHIBA)
uPD4052BC (NEC)

C-MOS 4-CHANNEL MULTIPLEXER/DEMULTIPLEXER

— TOP VIEW —





VEE*; VDD−VEE = +3 to +18V

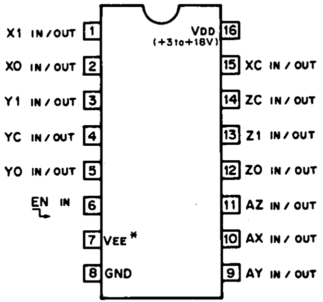
CONTROL INPUTS			"ON" CHANNEL
EN	B	A	
0	0	0	0
0	0	1	1
0	1	0	2
0	1	1	3
1	X	X	OPEN

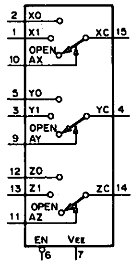
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE.

TC4053BP (TOSHIBA)
TC4053BPHB (TOSHIBA)

C-MOS 2-CHANNEL MULTIPLEXER/DEMULTIPLEXER

— TOP VIEW —





VEE*; VDD−VEE = +3 to +18V

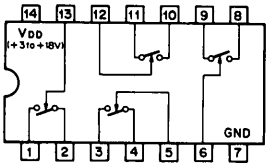
CONT. INPUTS		ON CHANNEL
EN	A (X,Y,Z,)	
0	0	0
0	1	1
1	X	OPEN

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE.

TC4066BFHB (TOSHIBA) FLAT PACKAGE
TC4066BP (TOSHIBA)

C-MOS BILATERAL ANALOG SWITCH

— TOP VIEW —



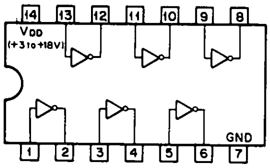
CONTROL	SWITCH
0	OFF
1	ON

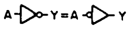
0; LOW LEVEL
1; HIGH LEVEL

TC4069UBP (TOSHIBA)

C-MOS INVERTER

— TOP VIEW —





$Y = \bar{A}$

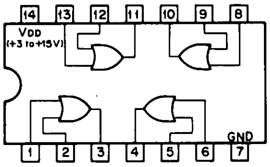
A	Y
0	1
1	0

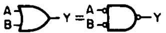
0: LOW LEVEL
1: HIGH LEVEL

TC4071BP (TOSHIBA)

C-MOS 2-INPUT OR GATE

— TOP VIEW —





$Y = A + B = \overline{\bar{A} \cdot \bar{B}}$

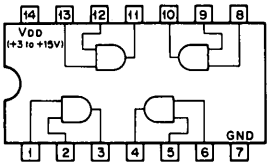
A	B	Y
0	0	0
0	1	1
1	0	1
1	1	1

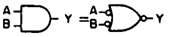
0: LOW LEVEL
1: HIGH LEVEL

TC4081BP (TOSHIBA)

C-MOS 2-INPUT AND GATE

— TOP VIEW —



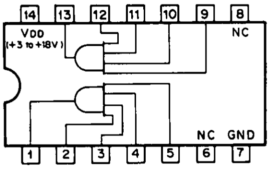


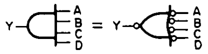
$Y = A \cdot B = \overline{\bar{A} + \bar{B}}$

A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0: LOW LEVEL
1: HIGH LEVEL

TC4082BP (TOSHIBA)
C-MOS 4-INPUT AND GATE
— TOP VIEW —



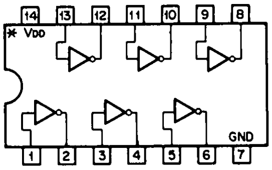


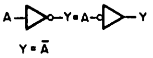
$Y = ABCD = \overline{\bar{A}+\bar{B}+\bar{C}+\bar{D}}$

D	C	B	A	Y
X	X	X	0	0
X	X	0	X	0
X	0	X	X	0
0	X	X	X	0
1	1	1	1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

TC74HC04P (TOSHIBA)
TC74HCU04P (TOSHIBA)
C-MOS INVERTER
— TOP VIEW —





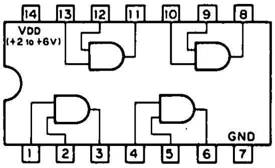
$Y = \bar{A}$

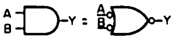
A	Y
0	1
1	0

0 : LOW LEVEL
1 : HIGH LEVEL

* VDD HC, HCU ; +2 to +6V
HCT ; +5V

TC74HC08P (TOSHIBA)
C-MOS 2-INPUT AND GATE
— TOP VIEW —



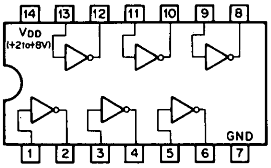


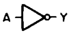
$Y = A \cdot B = \overline{\bar{A}+\bar{B}}$

A	B	Y
0	0	0
0	1	0
1	0	0
1	1	1

0 ; LOW LEVEL
1 ; HIGH LEVEL

TC40H004P (TOSHIBA)
C-MOS INVERTER
— TOP VIEW —



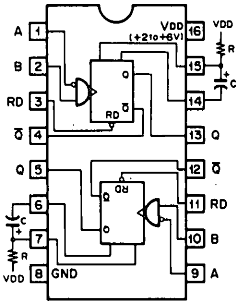


$Y = \bar{A}$

A	Y
0	1
1	0

0 ; LOW LEVEL
1 ; HIGH LEVEL

TC74HC123P (TOSHIBA)
C-MOS DUAL RETRIGGERABLE MONOSTABLE MULTIVIBRATOR
— TOP VIEW —

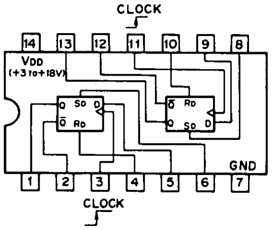


INPUT			OUTPUT	
RD	A	B	Q	Q̄
0	X	X	0	1
1	1	X	0	1
1	X	0	0	1
1	0	↑	⊓	⊔
1	↓	1	⊓	⊔
↑	0	1	⊓	⊔

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

OUTPUT PULSE WIDTH = 0.46CR

TC5040138P (TOSHIBA)
C-MOS D-TYPE FLIP FLOP WITH DIRECT SET/RESET
— TOP VIEW —



DIRECT R-S
FLIP FLOP

SD	RD	Q	Q̄
0	0	Qn	Q̄n
0	1	0	1
1	0	1	0
1	1	0	1

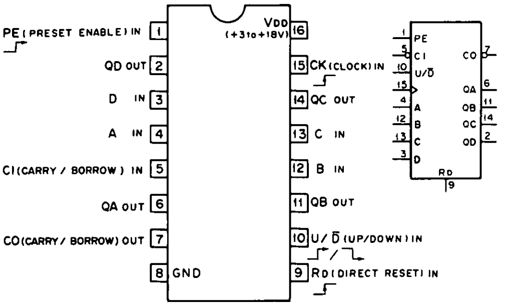
D-TYPE
FLIP FLOP

CKn	CKn+1
D	Q
0	0
1	1

CLOCK CK; ↑
CKn ; BEFORE CLOCK
CKn+1 ; AFTER CLOCK

0 ; LOW LEVEL
1 ; HIGH LEVEL

TC4510BP (TOSHIBA)
C-MOS PRESETTABLE BCD UP/DOWN COUNTOR
— TOP VIEW —



INPUTS					OUTPUTS			
CK	RD	PE	CI	U/D̄	QD	QC	QB	QA
X	1	X	X	X	0	0	0	0
X	0	1	X	X	SET TO A,B,C,D			
↑	0	0	0	1	COUNT UP			
↑	0	0	0	0	COUNT DOWN			
0	0	0	X	X	NO CHANGE			
X	0	0	1	X	NO CHANGE			

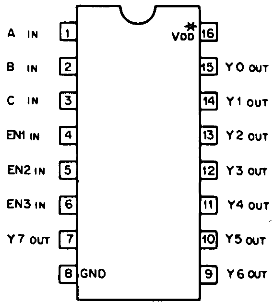
CO=L
CI=L & (DOWN·COUNT "0" OR UP·COUNT "9")

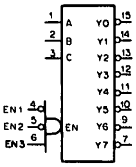
COUNT	OUTPUTS			
	QD	QC	QB	QA
0	0	0	0	0
1	0	0	0	1
2	0	0	1	0
3	0	0	1	1
4	0	1	0	0
5	0	1	0	1
6	0	1	1	0
7	0	1	1	1
8	1	0	0	0
9	1	0	0	1

↓ COUNT UP
↑ COUNT DOWN

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

TC74HC138P (TOSHIBA)
C-MOS 3-TO-8 LINE DECODER/DEMULTIPLEXER
— TOP VIEW —





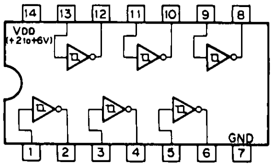
* VDD HC ; +2 to +6V
HCT ; +5V

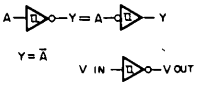
INPUT				OUTPUT							
EN	C	B	A	Y7	Y6	Y5	Y4	Y3	Y2	Y1	Y0
0	X	X	X	1	1	1	1	1	1	1	1
1	0	0	0	1	1	1	1	1	1	1	0
1	0	0	1	1	1	1	1	1	1	0	1
1	0	1	0	1	1	1	1	1	0	1	1
1	0	1	1	1	1	1	1	0	1	1	1
1	1	0	0	1	1	1	0	1	1	1	1
1	1	0	1	1	1	0	1	1	1	1	1
1	1	1	0	1	0	1	1	1	1	1	1
1	1	1	1	0	1	1	1	1	1	1	1

$EN = \overline{EN1} \cdot \overline{EN2} \cdot EN3$

0 ; LOW LEVEL
1 ; HIGH LEVEL
X ; DON'T CARE

TC74HC14P (TOSHIBA)
C-MOS SCHMITT TRIGGER INVERTER
— TOP VIEW —

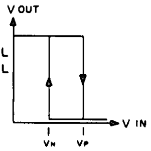




Y = Ā

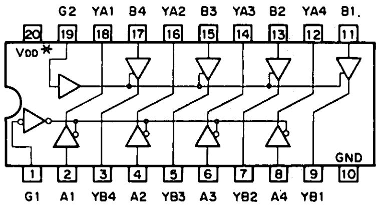
A	Y
0	1
1	0

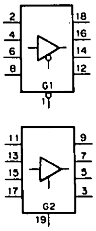
0;LOW LEVEL
1;HIGH LEVEL



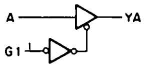
VDD	VN	VP
2.0V	0.75V	1.25V
4.5V	1.9V	2.7V
6.0V	2.6V	3.6V

TC74HC241P (TOSHIBA)
C-MOS 3-STATE NONINVERTING BUFFER/LINE DRIVER/LINE RECEIVER
— TOP VIEW —

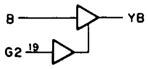




* VDD
HC; +2 to +6V
HCT; +5V



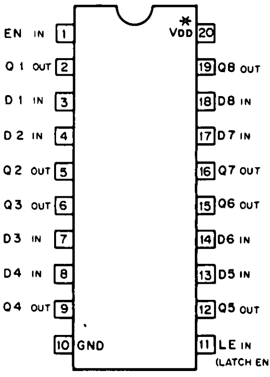
G1	A	YA
0	0	0
0	1	1
1	X	HI-Z

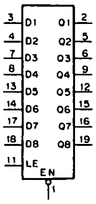


G2	B	YB
1	0	0
1	1	1
0	X	HI-Z

0;LOW LEVEL
1;HIGH LEVEL
X;DON'T CARE
HI-Z;HIGH IMPEDANCE

TC74HC373P (TOSHIBA)
C-MOS 3-STATE OUTPUTS OCTAL LATCHES
— TOP VIEW —

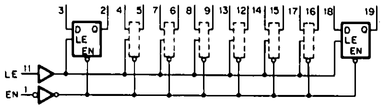




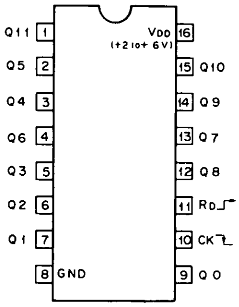
INPUTS			OUT
EN	D	LE	Q
0	1	1	1
0	0	1	0
0	X	0	Qo
1	X	X	HI-Z

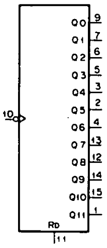
HI-Z; HIGH IMPEDANCE
0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE

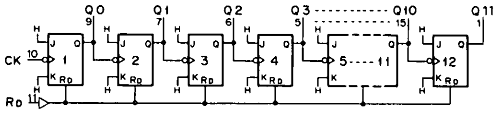
* VDD HC; +2 to +6V
HCT; +5V



TC74HC4040P (TOSHIBA)
C-MOS 12-STAGE RIPPLE CARRY BINARY COUNTER/DRIVER
— TOP VIEW —





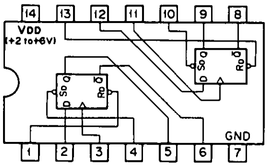


COUNT	Q11	Q10	Q9	Q8	Q7	Q6	Q5	Q4	Q3	Q2	Q1	Q0
0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	1	0
3	0	0	0	0	0	0	0	0	0	0	1	1
⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮	⋮
4095	1	1	1	1	1	1	1	1	1	1	1	1

RD	Q11 ········ Q0
1	ALL LOW
0	COUNT

0; LOW LEVEL
1; HIGH LEVEL

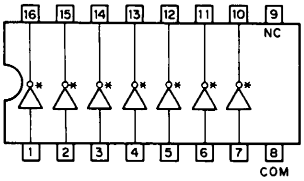
TC74HC74P (TOSHIBA)
C-MOS D-TYPE FLIP FLOP WITH DIRECT SET/RESET
— TOP VIEW —

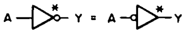


INPUTS				OUTPUTS	
SD	RD	CK	D	Qn+1	$\overline{Qn+1}$
0	1	X	X	1	0
1	0	X	X	0	1
0	0	X	X	1*	1*
1	1	↑	1	1	0
1	1	↑	0	0	1
1	1	0	X	Qn	$\overline{Qn}$

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
1*; NONSTABLE

TD62503P (TOSHIBA)
TRANSISTOR ARRAY, INVERTING DRIVER WITH OPEN COLLECTOR
— TOP VIEW —

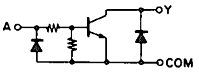




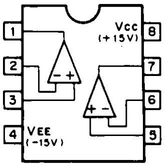
Y = Ā

A	Y
0	1
1	0

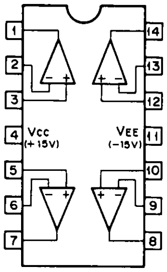
0; LOW LEVEL
1; HIGH LEVEL
*; OPEN COLLECTOR



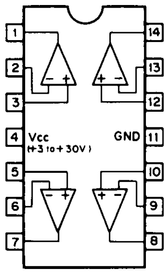
TL082CP (TI)
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW —



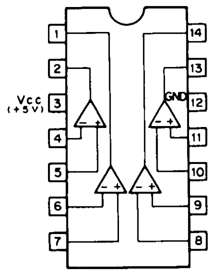
TL084CN (TI)
OPERATIONAL AMPLIFIER
(J FET-INPUT)
— TOP VIEW —



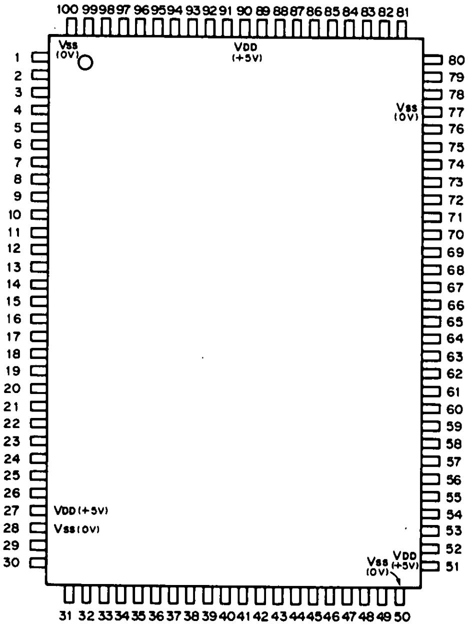
uPC324C (NEC)
QUAD. OP AMPLIFIER
— TOP VIEW —



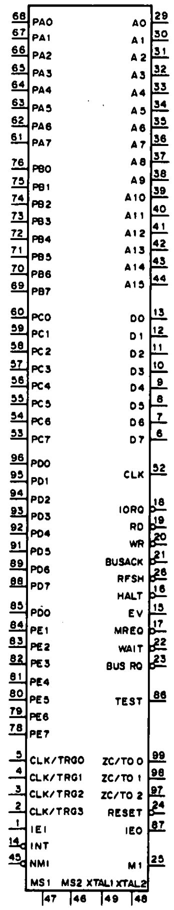
uPC339C (NEC)
COMPARATOR
— TOP VIEW —



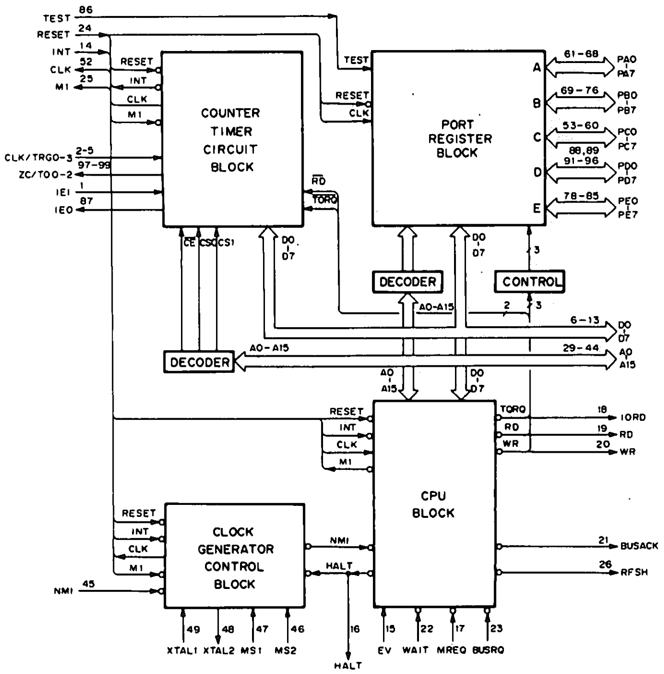
TMPZ84C011AF (TOSHIBA)
C-MOS 8 BIT MICROPROCESSOR
— TOP VIEW —



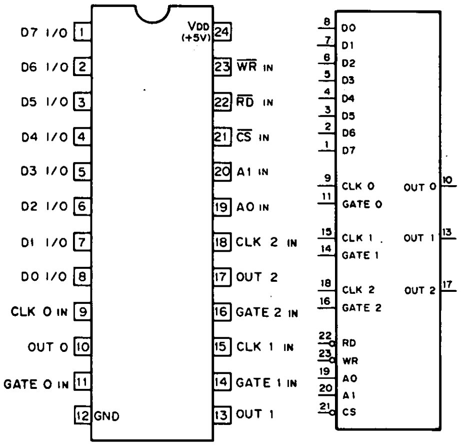
NO.	IN	OUT	SYMBOL	NO.	IN	OUT	SYMBOL
1	○		IEI	51			Vcc
2	○		CLK/TRG3	52		○	CLK
3	○		CLK/TRG2	53	○	○	PC7
4	○		CLK/TRG1	54	○	○	PC6
5	○		CLK/TRG0	55	○	○	PC5
6	○	○	D7	56	○	○	PC4
7	○	○	D6	57	○	○	PC3
8	○	○	D5	58	○	○	PC2
9	○	○	D4	59	○	○	PC1
10	○	○	D3	60	○	○	PC0
11	○	○	D2	61	○	○	PA7
12	○	○	D1	62	○	○	PA6
13	○	○	D0	63	○	○	PA5
14	○		$\overline{\text{INT}}$	64	○	○	PA4
15	○		EV	65	○	○	PA3
16		○	$\overline{\text{HALT}}$	66	○	○	PA2
17		○	$\overline{\text{MREQ}}$	67	○	○	PA1
18		○	$\overline{\text{IORQ}}$	68	○	○	PA0
19		○	$\overline{\text{RD}}$	69	○	○	PB7
20		○	$\overline{\text{WR}}$	70	○	○	PB6
21		○	$\overline{\text{BUSACK}}$	71	○	○	PB5
22	○		$\overline{\text{WAIT}}$	72	○	○	PB4
23	○		$\overline{\text{BUSREQ}}$	73	○	○	PB3
24	○		$\overline{\text{RESET}}$	74	○	○	PB2
25		○	$\overline{\text{M1}}$	75	○	○	PB1
26		○	$\overline{\text{RFSH}}$	76	○	○	PB0
27			Vcc	77			Vss
28			Vss	78	○	○	PE7
29		○	A0	79	○	○	PE6
30		○	A1	80	○	○	PE5
31		○	A2	81	○	○	PE4
32		○	A3	82	○	○	PE3
33		○	A4	83	○	○	PE2
34		○	A5	84	○	○	PE1
35		○	A6	85	○	○	PE0
36		○	A7	86	○		TEST
37		○	A8	87		○	IEO
38		○	A9	88	○	○	PD7
39		○	A10	89	○	○	PD6
40		○	A11	90			Vcc
41		○	A12	91	○	○	PD5
42		○	A13	92	○	○	PD4
43		○	A14	93	○	○	PD3
44		○	A15	94	○	○	PD2
45	○		$\overline{\text{NMI}}$	95	○	○	PD1
46	○		MS2	96	○	○	PD0
47	○		MS1	97		○	ZC/TO2
48		○	XTAL2	98		○	ZC/TO1
49	○		XTAL1	99		○	ZC/TO0
50			Vss	100			Vss



A0−A15 ; 3-STATE ADDRESS BUS OUTPUTS
BUSACK ; BUS ACKNOWLEDGE OUTPUT
BUS REQ ; BUS REQUEST INPUT
CLK ; CLOCK OUTPUT
CLK/TRG0−3 ; EXTERNAL CLOCK / TIMER TRIGGER0−3 INPUTS
D0−D7 ; 3-STATE DATA BUS INPUTS/OUTPUTS
EV ; EVALUATER INPUT
HALT ; HALT OUTPUT
IEI/IEO ; CTC INTERRUPT ENABLE INPUT/OUTPUT
INT ; MASKABLE INTERRUPT REQUEST INPUT
IORQ ; 3-STATE I/O REQUEST OUTPUT
M1 ; 3-STATE MACHINE CYCLE 1 OUTPUT
MREQ ; 3-STATE REQUEST OUTPUT
MS1/MS2 ; MODE SELECT 1/2 INPUTS
NMI ; NON-MASKABLE INTERRUPT REQUEST INPUT
PA0−PA7 ;
PB0−PB7 ;
PC0−PC7 ; 3-STATE I/O PORT
PD0−PD7 ;
PE0−PE7 ;
RD ; 3-STATE READ OUTPUT
RESET ; RESET INPUT
RFSH ; REFRESH OUTPUT
TEST ; TEST INPUT
WAIT ; WAIT REQUEST INPUT
WR ; 3-STATE WRITE OUTPUT
ZC/TO0−2 ; ZERO COUNT/TIME OUT 0−2 OUTPUTS



uPD71054C (NEC)
C-MOS PROGRAMMABLE TIMER COUNTER
— TOP VIEW —

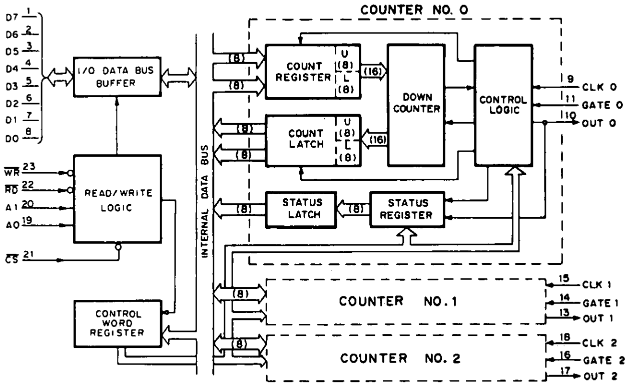


FUNCTION TABLE

CS	RD	WR	A1	A0	FUNCTION
0	1	0	0	0	Load Counter No. 0
0	1	0	0	1	Load Counter No. 1
0	1	0	1	0	Load Counter No. 2
0	1	0	1	1	Control Word
0	0	1	0	0	Read Counter 0
0	0	1	0	1	Read Counter 1
0	0	1	1	0	Read Counter 2
0	0	1	1	1	No-Operation (HI-Z)
1	X	X	X	X	Disable (HI-Z)
0	1	1	X	X	No-Operation (HI-Z)

D7-D0	;	8-BIT DATA I/O
CLK 0-2	;	COUNTER CLOCK
GATE 0-2	;	COUNTER GATE
OUT 0-2	;	COUNTER OUTPUT
RD	;	READ COUNTER
WR	;	WRITE CMD OR DATA
CS	;	CHIP SELECT
A0,A1	;	COUNTER SELECT

0; LOW LEVEL
1; HIGH LEVEL
X; DON'T CARE
HI-Z; HIGH IMPEDANCE



CONTROL WORD FORMAT

D7	D6	D5	D4	D3	D2	D1	D0
SC1	SC0	RL1	RL0	M2	M1	M0	BCD

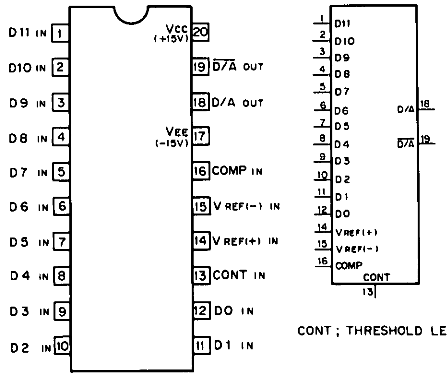
BCD	OPERATION
0	16-BIT BINARY
1	BCD (4-DECADE)

M2	M1	M0	MODE
0	0	0	0
0	0	1	1
X	1	0	2
X	1	1	3
1	0	0	4
1	0	1	5

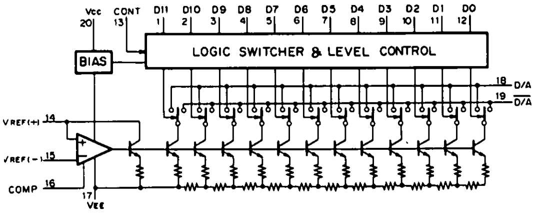
RL1	RL0	OPERATION
0	0	COUNTER LATCHING
0	1	READ/LOAD LSB ONLY
1	0	READ/LOAD MSB ONLY
1	1	LSB FIRST THEN MSB

SC1	SC0	SELECTED COUNTER
0	0	COUNTER No. 0
0	1	COUNTER No. 1
1	0	COUNTER No. 2
1	1	MULTIPLE LATCH CMD

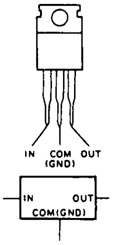
uPC648C (NEC)
12-BIT D/A CONVERTER WITH OPEN COLLECTOR OUTPUT
— TOP VIEW —



CONT ; THRESHOLD LEVEL CONTROL

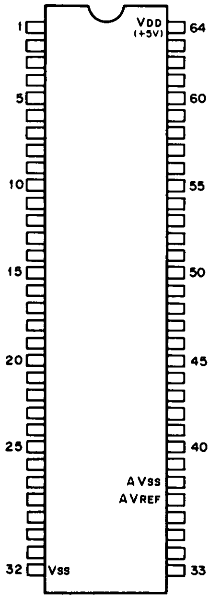


uPC78 ? ?H (NEC)
POSITIVE VOLTAGE REGULATOR (1A)
— SIDE VIEW —

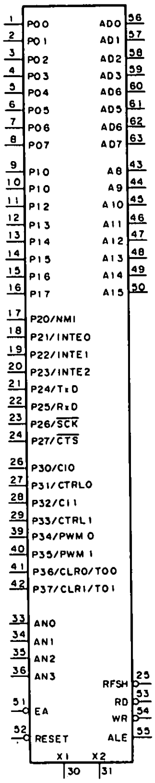


+5V uPC7805H

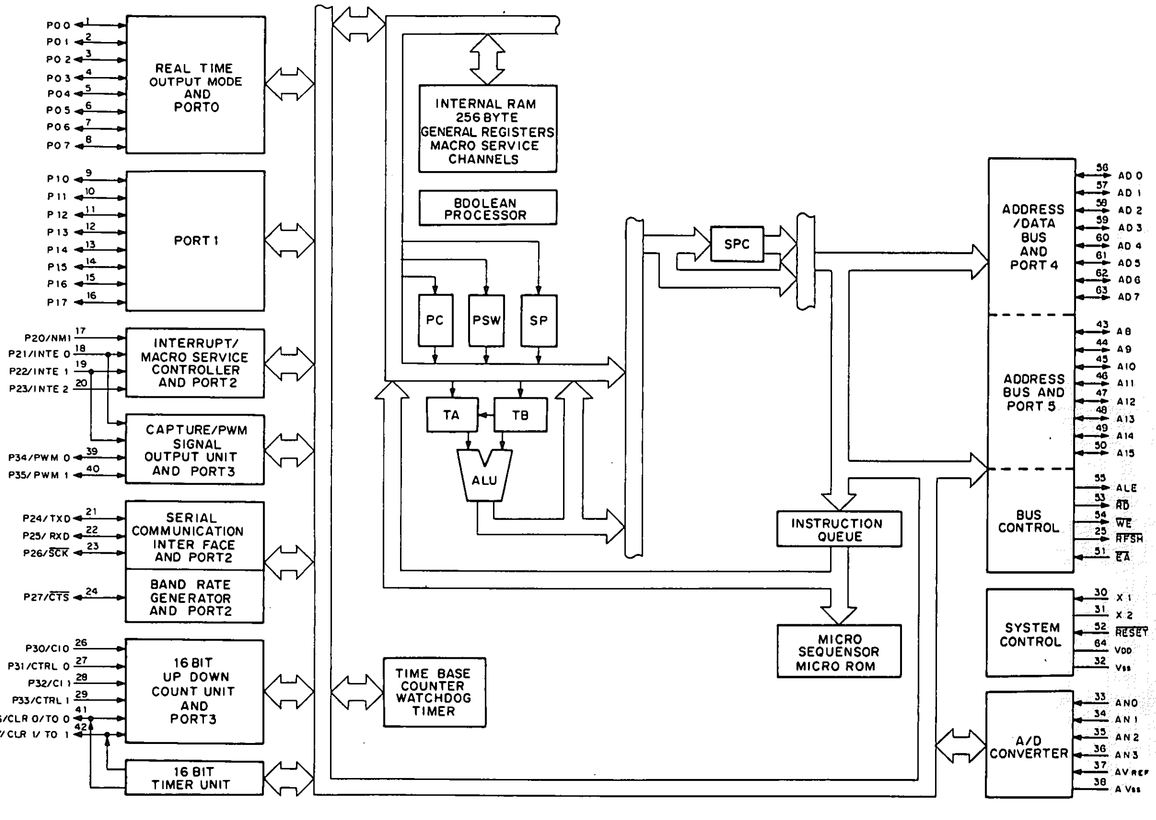
uPD78310CW (NEC)
C MOS 16/8 BIT ONE CHIP MICROCOMPUTER
— TOP VIEW —



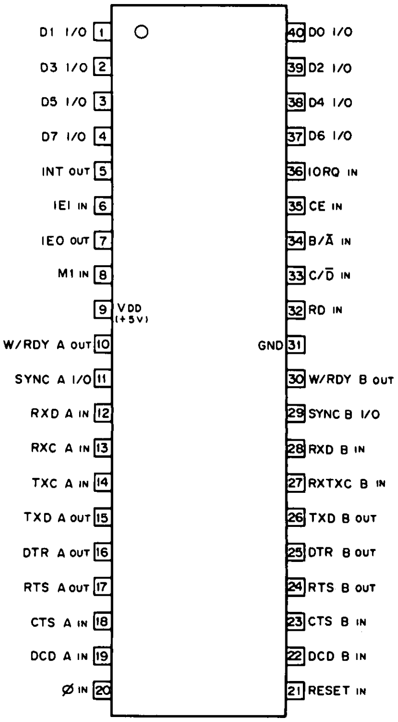
PIN NO	IN	OUT	SYMBOL	PIN NO	IN	OUT	SYMBOL
1	○	○	P00	33	○		AN0
2	○	○	P01	34	○		AN1
3	○	○	P02	35	○		AN2
4	○	○	P03	36	○		AN3
5	○	○	P04	37			A VREF
6	○	○	P05	38			A Vss
7	○	○	P06	39	○	○	P34/PWM0
8	○	○	P07	40	○	○	P35/PWM1
9	○	○	P10	41	○	○	P36/CLR0/TO0
10	○	○	P11	42	○	○	P37/CLR1/TO1
11	○	○	P12	43	○	○	A8
12	○	○	P13	44	○	○	A9
13	○	○	P14	45	○	○	A10
14	○	○	P15	46	○	○	A11
15	○	○	P16	47	○	○	A12
16	○	○	P17	48	○	○	A13
17	○		P20/NMI	49	○	○	A14
18	○		P21/INTE0	50	○	○	A15
19	○		P22/INTE1	51	○		$\overline{\text{EA}}$
20	○		P23/INTE2	52	○		$\overline{\text{RESET}}$
21	○	○	P24/TxD	53		○	$\overline{\text{RD}}$
22	○	○	P25/RxD	54		○	$\overline{\text{WR}}$
23	○	○	P26/$\overline{\text{SCK}}$	55		○	ALE
24	○	○	P27/$\overline{\text{CTS}}$	56	○	○	AD0
25		○	$\overline{\text{RFSH}}$	57	○	○	AD1
26	○		P30/CI0	58	○	○	AD2
27	○		P31/CTRL0	59	○	○	AD3
28	○		P32/CI1	60	○	○	AD4
29	○		P33/CTRL1	61	○	○	AD5
30	○		X1	62	○	○	AD6
31			X2	63	○	○	AD7
32			Vss	64			VDD

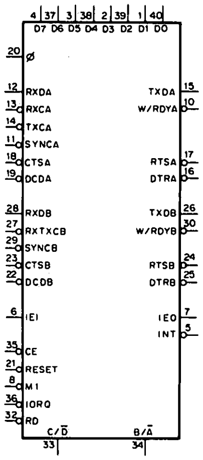


A8-A15	; ADDRESS BUS OUT
AD0-AD7	; ADDRESS/DATA BUS IN/OUT
ALE	; ADDRESS LATCH ENABLE OUT
AN0-AN3	; ANALOG SIGNAL IN
CI0,CI1	; EXTERNAL COUNT CLOCK IN
CLR0,CLR1	; COUNTER CLEAR/CAPTURE TRIGGER IN
CTRL0,CTRL1	; COUNT UP/DOWN SELECT CONTROL IN
CTS	; ASYNCHRONOUS MODE; TRANSMIT PERMISSION CONTROL IN I/O INTERFACE MODE; RECEIVER CLOCK IN/OUT
EA	; EXTERNAL ACCESS IN
INTE0-INTE2	; EXTERNAL INTERRUPT REQUEST IN
NMI	; NON MASKABEL INTERRUPT REQUEST IN
P00-P07	; PORT 0 (3 STATE) IN/OUT
P10-P17	; PORT 1 (3 STATE) IN/OUT
P20-P27	; PORT 2 (3 STATE) IN/OUT
P30-P37	; PORT 3 (3 STATE) IN/OUT
PWM0,PWM1	; PWM OUT
RD	; READ STROBE OUT
RESET	; RESET IN
RFSH	; REFLESH OUT
RXD	; SERIAL DATA OUT
SCK	; I/O INTERFACE MODE; RECEIVER CLOCK OUT
TO0,TO1	; PULSE OUT
TXD	; SERIAL DATA IN
WR	; WRITE STROBE OUT
X1,X2	; CRYSTAL



Z80A-SIO/0 (ZILOG)
N-MOS 2-CHANNEL SERIAL INPUT/OUTPUT
FOR MICROCOMPUTER SYSTEM
— TOP VIEW —

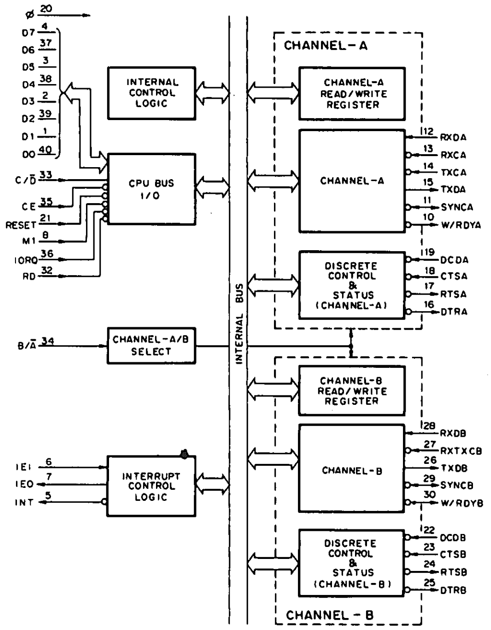




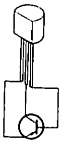
CHANNEL SELECT
FUNCTION TABLE

C/D̄	B/Ā	FUNCTION
0	0	CH-A DATA
0	1	CH-B DATA
1	0	CH-A CONT. WORD
1	1	CH-B CONT. WORD

0; LOW LEVEL
1; HIGH LEVEL



Ø	; SYSTEM CLOCK IN	RXD	; RECEIVE DATA IN
D7-D0	; DATA BUS(3 STATE)I/O	RXC	; RECEIVE CLOCK IN
C/D̄	; CONTROL/DATA SELECT IN	TXC	; TRANSMIT CLOCK IN
CE	; CHIP ENABLE IN	TXD	; TRANSMIT DATA OUT
M1	; MACHINE CYCLE 1 IN	SYNC	; EXTERNAL CHARACTER SYNCHRONIZATION I/O
IORQ	; I/O REQUEST IN		
RD	; READ IN	W/RDY	; WAIT/READY OUT
B/Ā	; CHANNEL B/A SELECT IN	DCD	; DATA CARRIER DETECT IN
IEI	; INTERRUPT ENABLE IN	CTS	; CLEAR TO SEND IN
IEO	; INTERRUPT ENABLE OUT	RTS	; REQUEST TO SEND OUT
INT	; INTERRUPT OUT	DTR	; DATA TERMINAL READY OUT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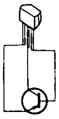
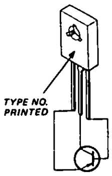

2SA1115



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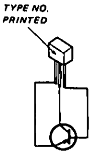
2SB649A



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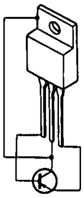
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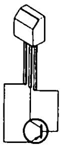
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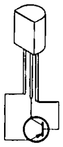
2SB734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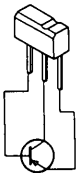
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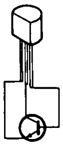
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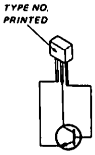

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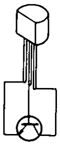
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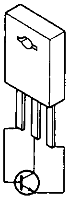
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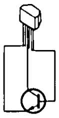
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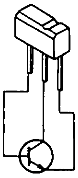
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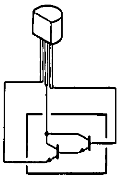
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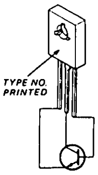

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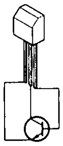
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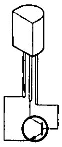
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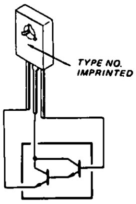

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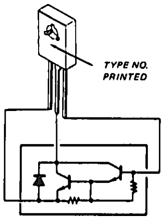

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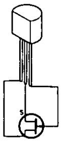

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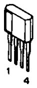
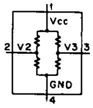
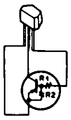


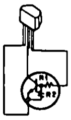
DM211

Magneto-Sensing Element
– Equivalent Circuit –



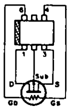


DTA124ES (R1=22K, R2=22K)
DTA124XS (R1=22K, R2=47K)
DTA144ES (R1=47K, R2=47K)

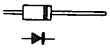


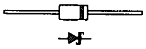
DTC124ES (R1=22K, R2=22K)
DTC143TS (R1=4.7K, R2= OPEN)
DTC144ES (R1=47K, R2=47K)

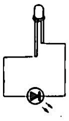
TOP VIEW

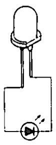


TX429M

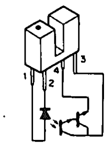

10E-1
10E-2
1S1555
1SS119
1SS133


1SS97
1SS99

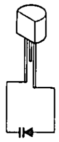

BR5104S : RED



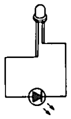
GL-5HD5 ; RED



GP-1L52
GP-1L53

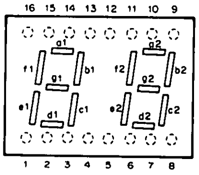


FC54M

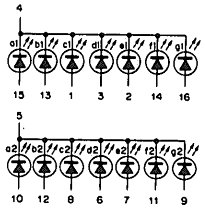


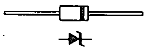
HLMP-1302 ; RED

DUAL 7-SEGMENT LED
— TOP VIEW —

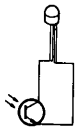


LB402VK (ROHM)

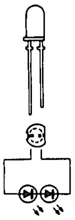




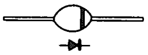
RD ? ?ES



SPS102



TLG255 ; GREEN
TLY255 ; YELLOW



U05E

SECTION 16
SCHEMATIC DIAGRAMS

回路図内において、REF. NO の近傍に下記記号が記載されていますが、これは生産時の部品データです。

In the schematic diagrams, the following marks are described nearby reference number. These are parts data at factory.

CAPACITOR (C)

AL	ELECTROLYTIC
AS	
TA	TANTALUM
CA	CERAMIC
CC	
CCS	
CM	
CS	
MPS	MYLAR
PP	
PS	
PT	
MD	DIPPED MICA
MS	MICA

RESISTOR (R)
VARIABLE RESISTOR (RV)

RC	CARBON
RD	
RF	FUSE
RN	METAL
RS	
RW	WIREWOUND

The circuit information is provided below.

System	Board	Circuit function
VIDEO	RP-30	RF REC/PB /rotary erase
	MD-44	Y/C modulator
	DL-22	Delay line
	DM-54	Y/C demodulator
	SW-170	Video level MANU/AUTO select
	VR-48	Video level control
	MT-28	Video level meter
AUDIO	AU-83	CH-1 REC/PB /DOLBY processor
	DUS-71	Variable coil
	AU-84	CH-2 REC/PB
	DUS-71	Variable coil
	HN-77	Junction board
	AU-85	DOLBY auto detector, bias oscillator
	SW-171	DOLBY ON/OFF switch
	AU-87	Mic/output/monitor amplifier
	VR-48	REC/PB level control
	MT-28	Audio level meter
	VR-49	Headphones level control
	HP-28	Headphones
	DUS-92	Audio head
	DUS-147	Junction board for audio head
	BC-11	Full erase oscillator
	SW-170	Audio monitor select
SERVO	SV-88	Drum/capstan/reel servo
	SV-113	Drum/capstan/reel servo
	SE-48	Reel rotation detector
	DR-53	Motor driver for reel/capstan/drum
	DR-59	Motor driver for reel
	PTC-28	S-tension CDS
	LE-53	S-tension LED
	PTC-29	T-tension CDS
	LE-54	T-tension LED
	DUS-177	T-reel motor
	DUS-178	S-reel motor
	VR-48	Tracking control

System	Board	Circuit function
SYSCON	SY-102	System control
	KY-101	Function key board
	DP-62	Display
	BC-11	Video/audio timing control
	HN-80	Threading motor driver
	LM-13	Threading motor
	PD-37	Cassette-up compartment motor driver/Solenoid driver
	CC-31/CC-36	Cassette compartment driver
	CC-32/CC-36	Cassette down detector
	CC-33/CC-37	Cassette in detector
	PTC-30	SP, miss REC. KCA detector
	PTC-33	FR stop detector
	PTC-34	Unthread end detector
	PH-5(A)	Tape top LED
	PH-5(B)	Tape top sensor
	PH-5(C)	Tape end LED
	PTC-26	Tape end sensor
	SW-170	Select switch /warning indicator
	SW-171	Remote 1/2 Select /TBC ON/OFF /Character ON/OFF
	PTC-32	Search dial
	RM-44	Remote control (9pin & 24pin)
	DSC-44	Character generator
TIME CODE	TC-42	Time code (Option)
	BC-11	Time code REC/PB amplifier
	HN-84	Time code head
	SW-172	Time code control Switch (Option)
POWER	AC-78	AC primary circuit
	M1	Switching Regulator (UR-21)
	M2	
	C1	
	C2	
OTHERS	MB-127	Mother board
	MB-139	Sub mother for TC
	CP-109	Connector pannel
	RM-45	TBC remote control
	AC-78	AC primary circuit
	EX-127	Extention board for audio/time code
	EX-128	Extention board for video/servo/TBC
	HN-80	Relay board for video/tape sensor/thread motor drive
	HN-83	Relay board for time code head/erase head
	MT-28	Meter
	LP-41	Cassette compartment light
	TBC-5	Time base corrector (Option)
	DUS-151	Connection (Option)

RP-30: RF REC/PB /ROTARY ERASE

1

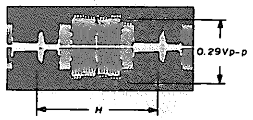
2

3

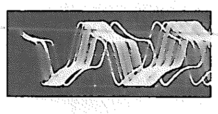
4

5

① TP1
TP2
REC

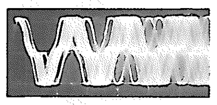


② TP3
TP4



H:50nsec/div
V;0.2V/div

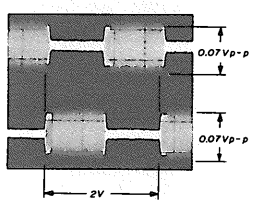
③ TP5
TP6
TP8
TP9



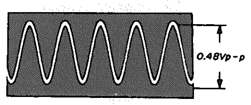
H:0.1μsec/div
V;1.0V/div

④ TP7
PB

⑤ TP10
PB



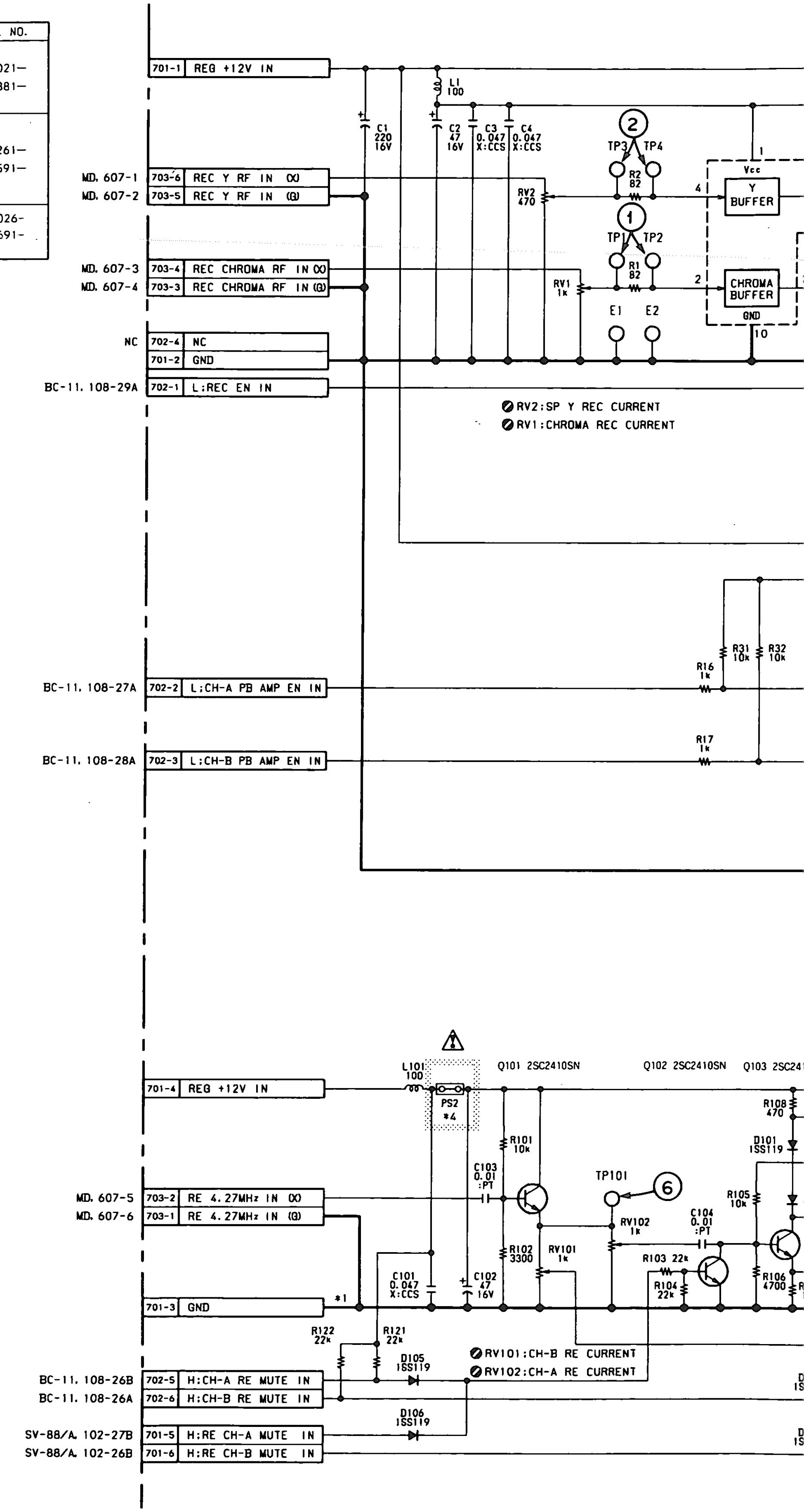
⑥ TP101
REC



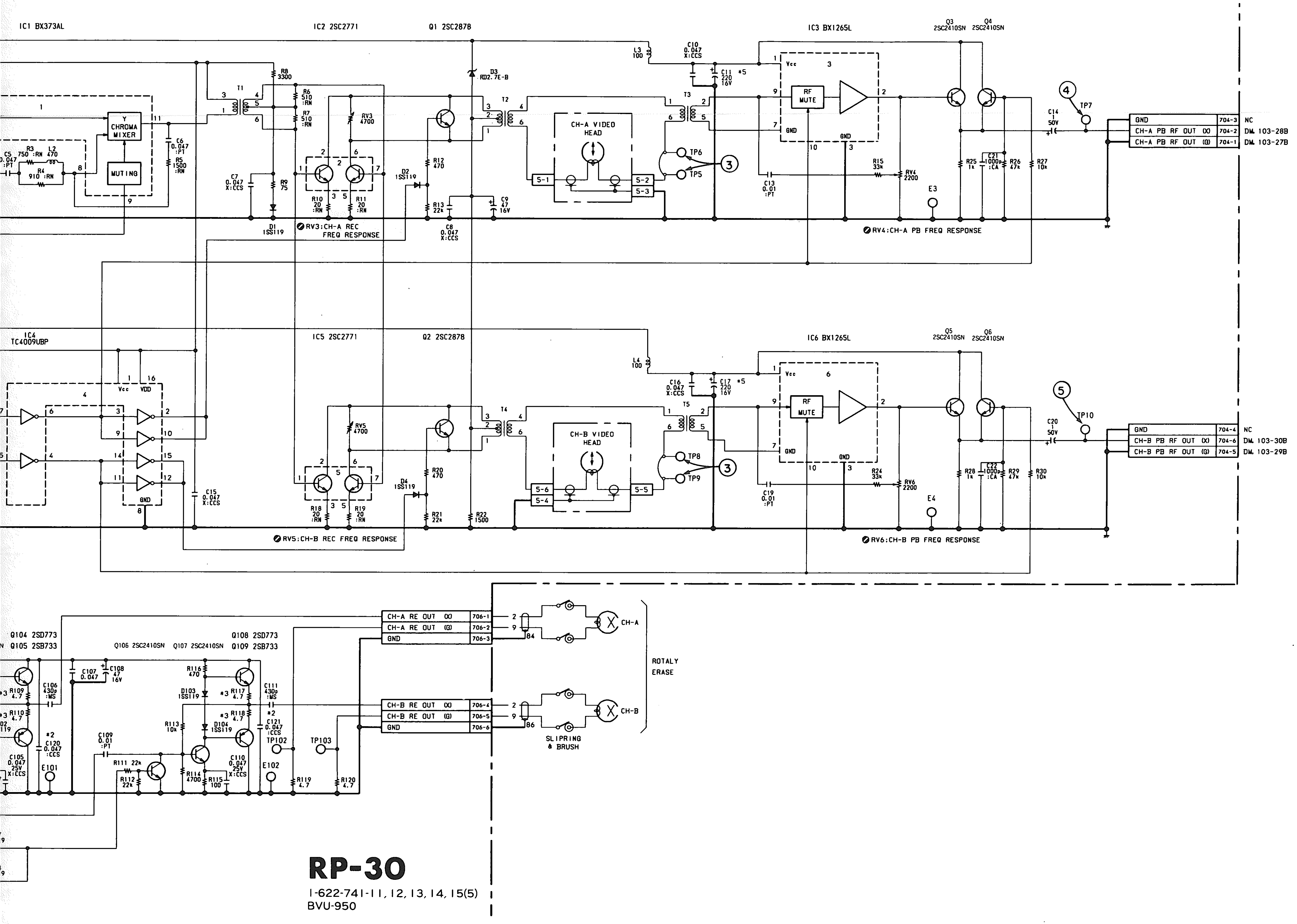
4.27MHz

NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
*1	CN701-3 — CN703-1 OPEN	J:10021— UC:10381—
*2	C120, 121 ADDED	
*3	R109, 110, 117, 118 CHANGED 10 → 4.7	J:10261— UC:12591—
*4	PS2 ADDED	
*5	C11, 17 CHANGED 47/16V → 220/16V	J:11026- UC:13691-



A B C D E F G H

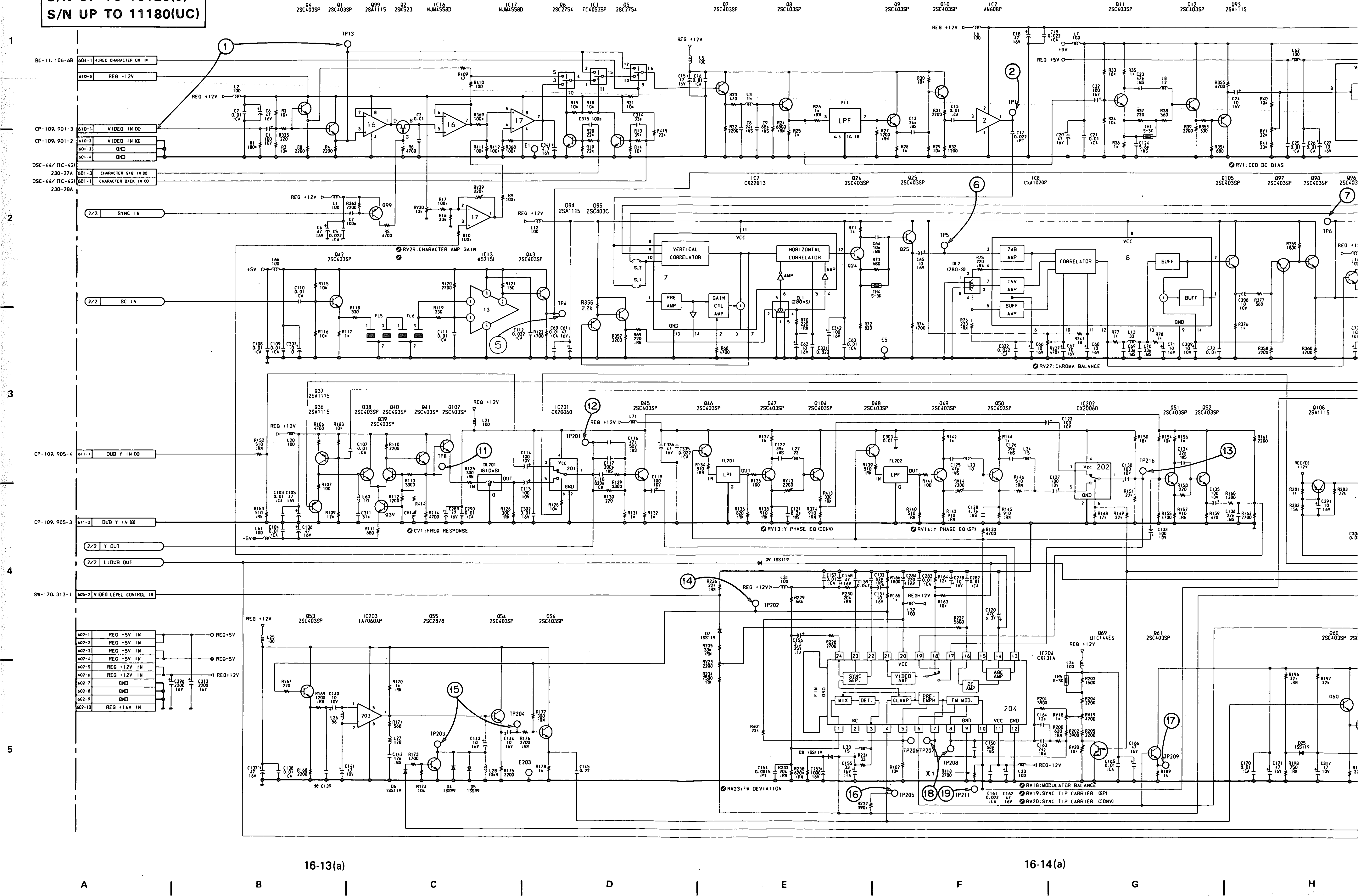


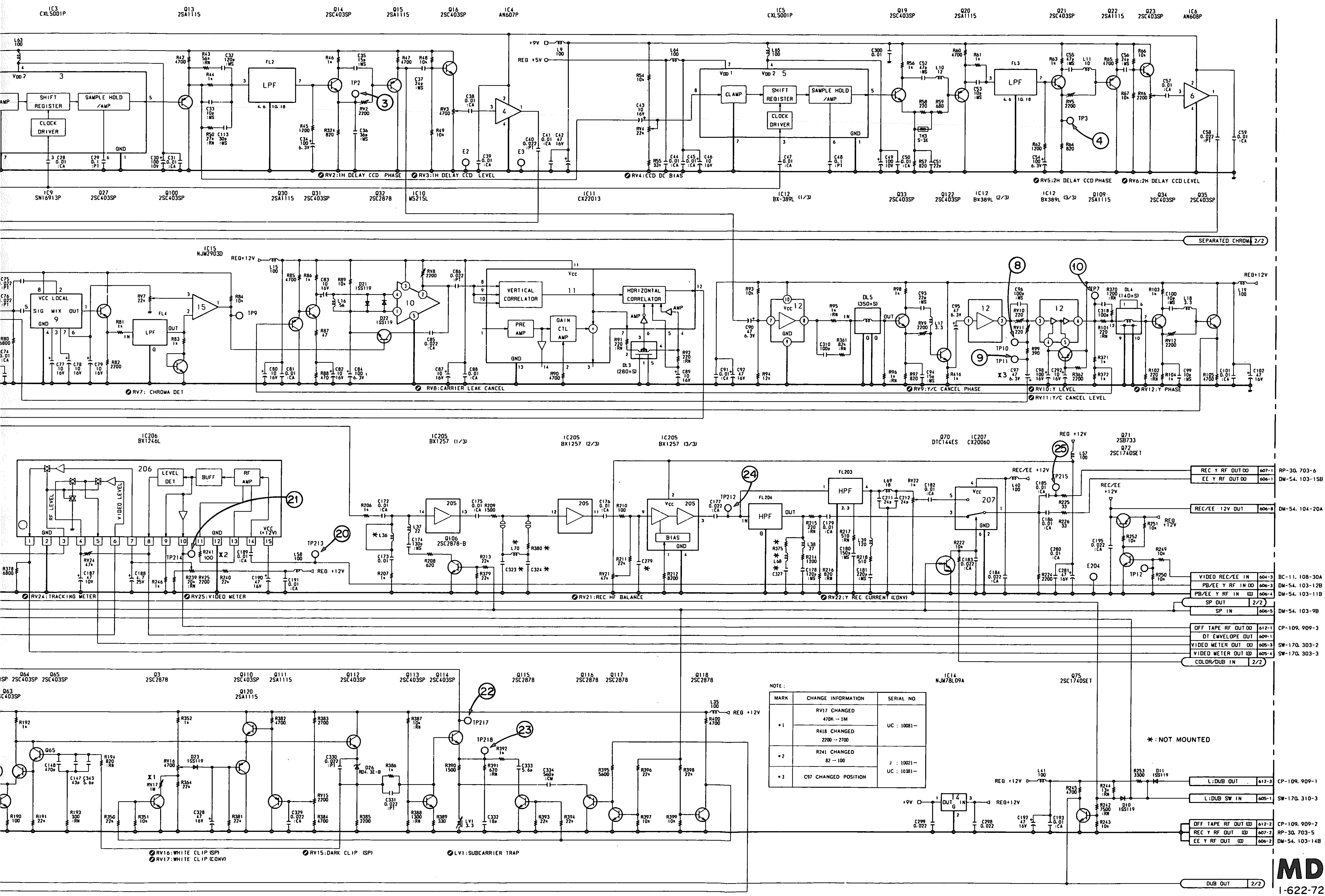
RP-30

1-622-741-11, 12, 13, 14, 15(5)
BVU-950

MD-44(1/2); Y/C MODULATOR

S/N UP TO 10120(J)
S/N UP TO 11180(UC)





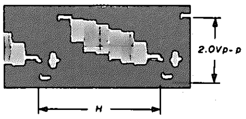
NOTE :

MARK	CHANGE INFORMATION	SERIAL NO.
*1	RV17 CHANGED 470K → 1M	UC : 10081–
	R418 CHANGED 2200 → 2700	
*2	R241 CHANGED 82 → 100	J : 10021– UC : 10381–
*3	C97 CHANGED POSITION	

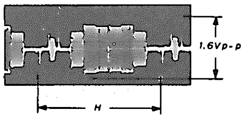
MD-44(1/2)

1-622-728-11, 12(4)
BVU-950

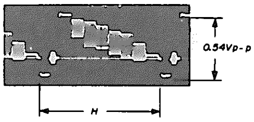
① CN610-1
TP13
REC/PB



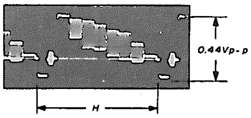
② TP1
REC/PB



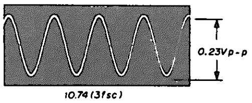
③ TP2
REC/PB



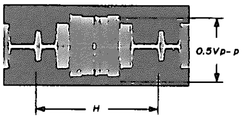
④ TP3
REC/PB



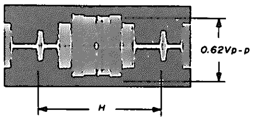
⑤ TP4
REC/PB



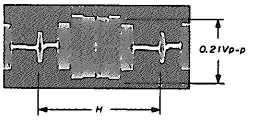
⑥ TP5
REC/PB



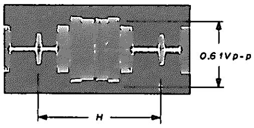
⑦ TP6
REC/PB



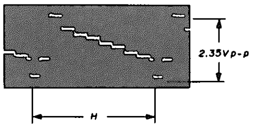
⑧ TP10
REC/PB



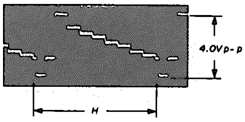
⑨ TP11
REC/PB



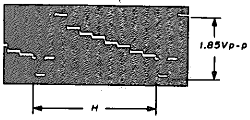
⑩ TP7
REC/PB



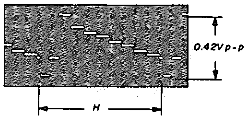
⑪ TP8
REC/PB



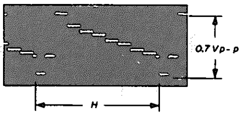
⑫ TP201
REC/PB



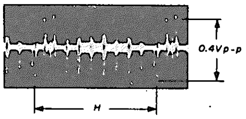
⑬ TP216
REC/PB



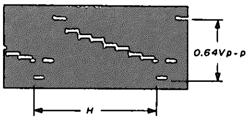
⑭ TP202
REC/PB



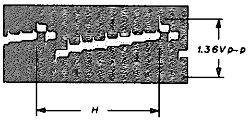
⑮ TP203
TP204
REC/PB



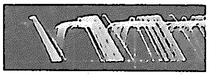
⑯ TP205
REC/PB



⑰ TP209
REC/PB

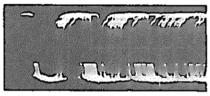


⑱ TP207
TP208
REC/PB



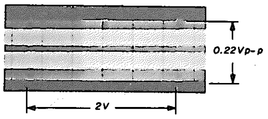
H: 0.1μsec/div
V: 0.5V/div

⑲ TP211
REC/PB

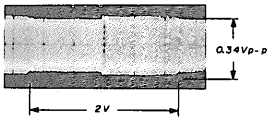


H: 0.1μsec/div
V: 0.5V/div

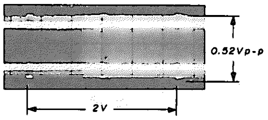
⑳ TP213
REC



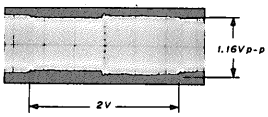
PB



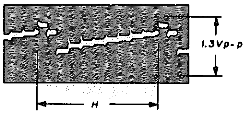
㉑ TP214
REC



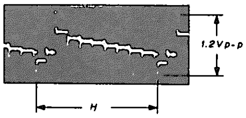
PB



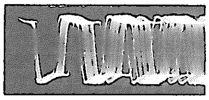
㉒ TP217
REC/PB



㉓ TP218
REC/PB

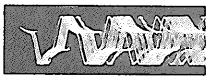


㉔ TP212
REC/PB



H: 0.1μsec/div
V: 1.0V/div

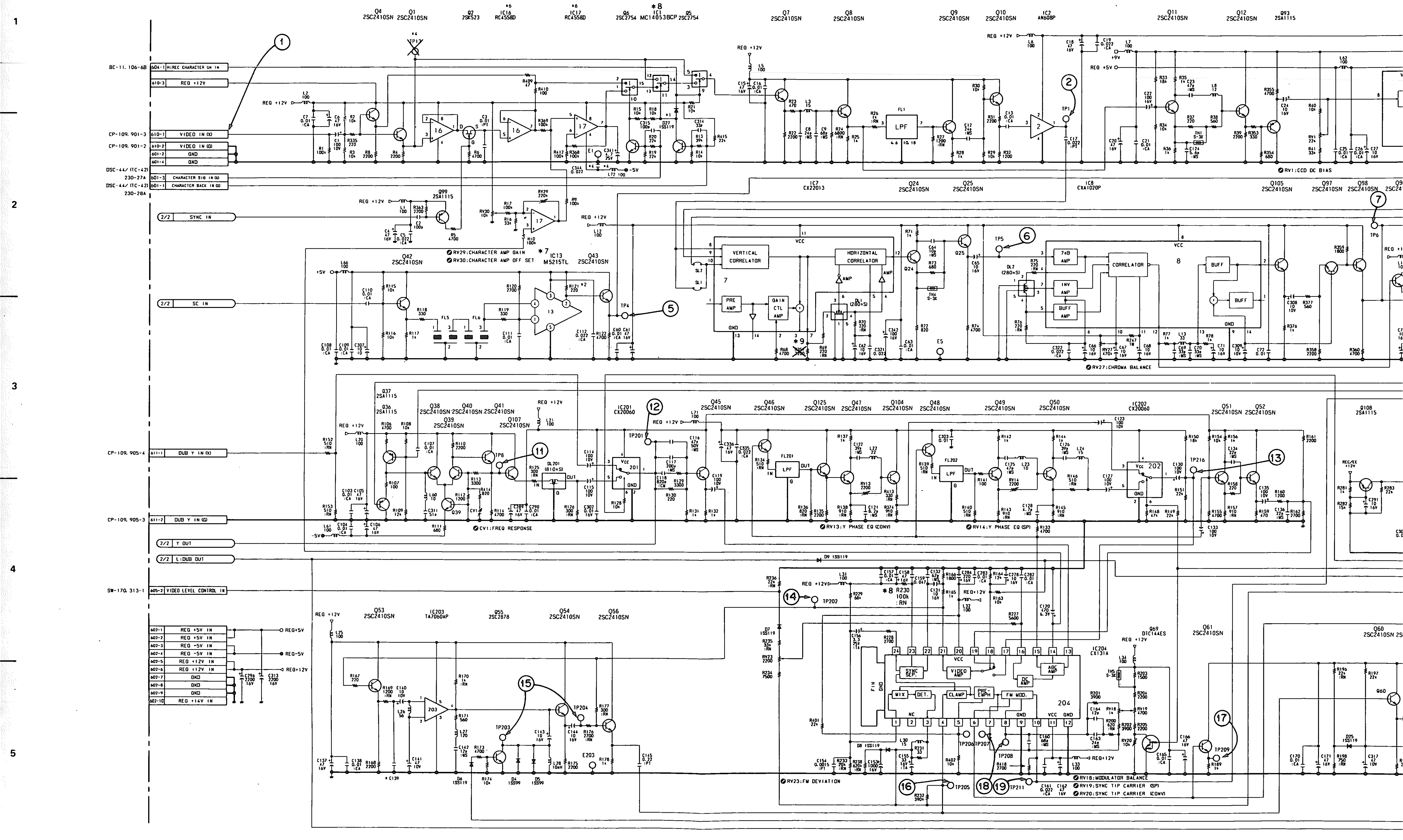
㉕ TP215
REC



H: 0.1μsec/div
V: 0.5V/div

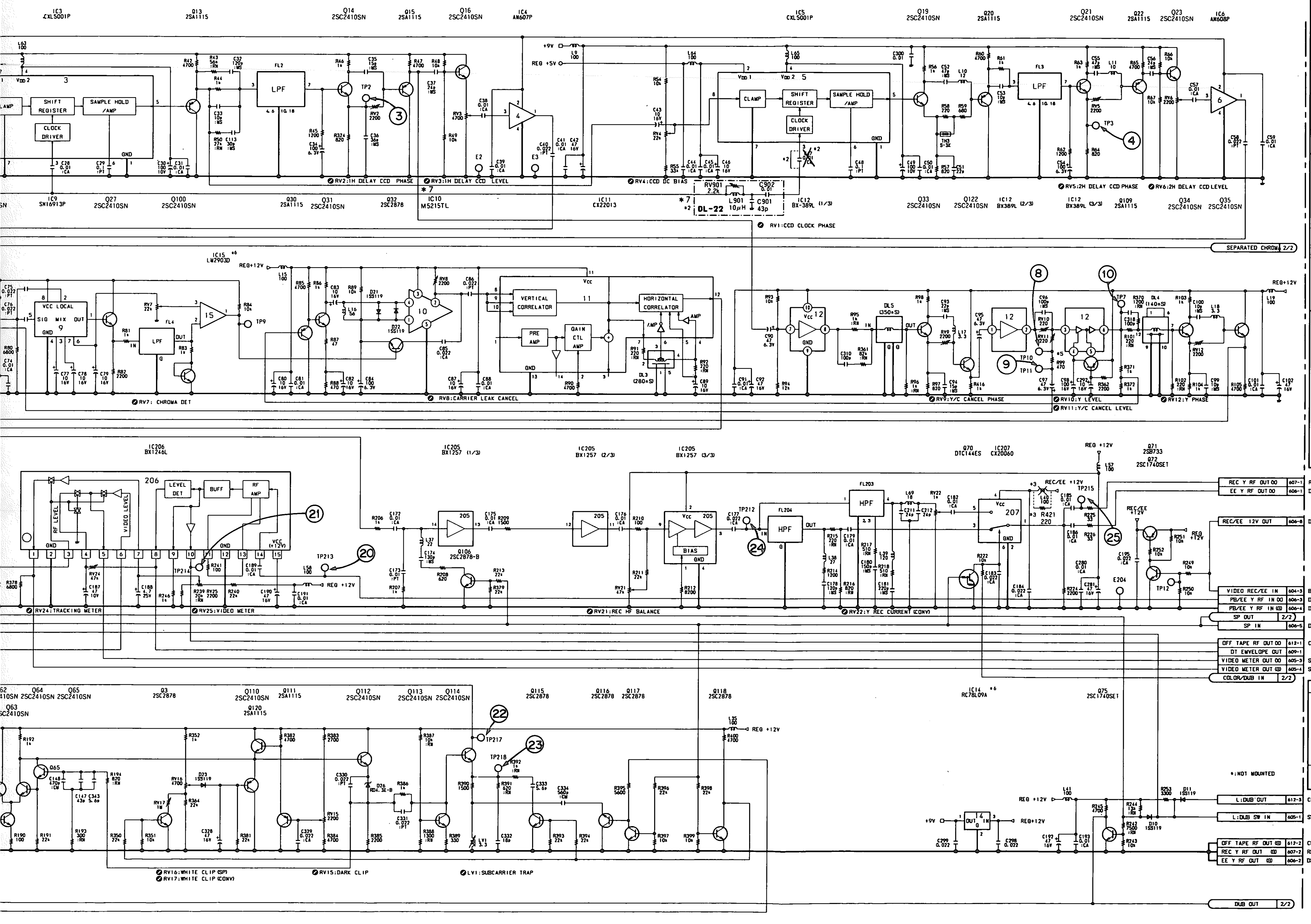
MD-44(1/2); Y/C MODULATOR
DL-22; DELAY LINE

S/N 10121 AND HIGHER(J)
S/N 11181 AND HIGHER(UC)



NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
* 1	D-1	ADDED D27	J ; 10021- UC; 11681-
* 2	L-2 L-2 C-2	DELETED C47 0.01 ADDED (DL-22) C1 43P C2 0.01 L1 10μH RV1 2K CHANGED R121 150 → 220	J ; 10261- UC; 12241-
* 3	M-3	DELETED L40 ADDED R421 220	J ; 10423- UC; 12591-
* 4	C-1 D-2 D-2	DELETED TP13 ADDED C344 0.022 L72 100μH	J ; 10361- UC; 13191-
* 5	N-3	CHANGED R99 390 → 470	J ; 10639- UC; 13591-
* 6	M-4 I-2 C-1 D-1	CHANGED IC14 MJM78L09A ↓ RC78L09A IC15 MJM2903D ↓ LM2903D IC16 MJM4558D ↓ RC4558D IC17 MJM4558D ↓ RC4558D	J ; 11026- UC; 14241-
* 7	J-2 D-2 L-2 L-2	CHANGED IC10 M5215L ↓ M5215TL IC13 M5215L ↓ M5215TL DELETED DL-22 ADDED C901 43P C902 0.01 L901 10μH RV901 2.2K	J ; 11446- UC; 15866-

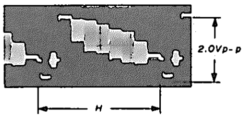


MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
* 8	E-4 D-1	CHANGED R230 20K → 100K CHANGED IC1 TC4053BP ↓ MC14053BCP	J ; 11446- UC; 15966-
* 9	E-3	DELETED R357	J ; 11596- UC; 16586-

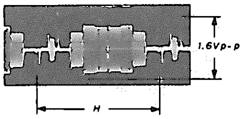
MD-44(1/2)

1-622-728-13, 14, 15(11)
BVU-950

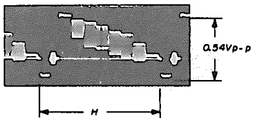
① CN610-1
REC/PB



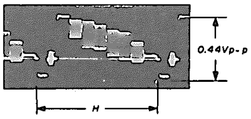
② TP1
REC/PB



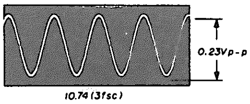
③ TP2
REC/PB



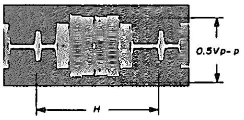
④ TP3
REC/PB



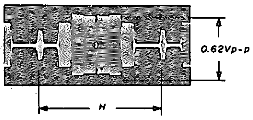
⑤ TP4
REC/PB



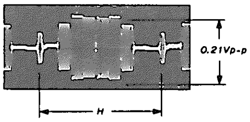
⑥ TP5
REC/PB



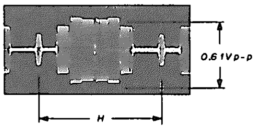
⑦ TP6
REC/PB



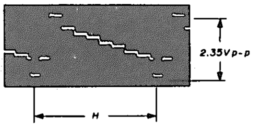
⑧ TP10
REC/PB



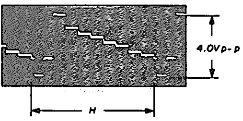
⑨ TP11
REC/PB



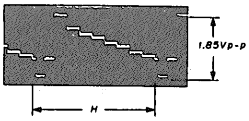
⑩ TP7
REC/PB



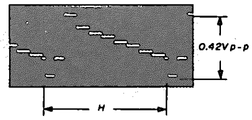
⑪ TP8
REC/PB



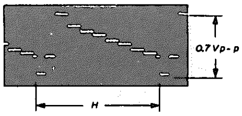
⑫ TP201
REC/PB



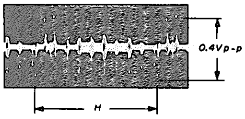
⑬ TP216
REC/PB



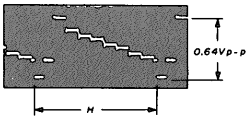
⑭ TP202
REC/PB



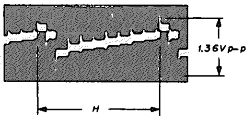
⑮ TP203
TP204
REC/PB



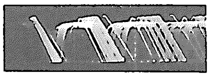
⑯ TP205
REC/PB



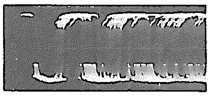
⑰ TP209
REC/PB



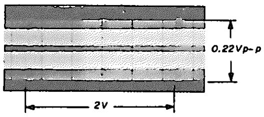
⑱ TP207
TP208
REC/PB



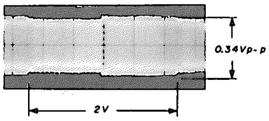
⑲ TP211
REC/PB



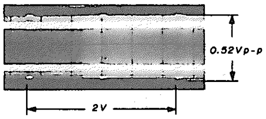
⑳ TP213
REC



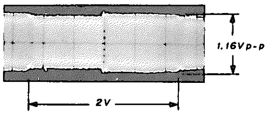
PB



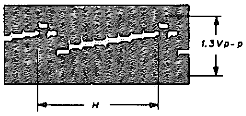
㉑ TP214
REC



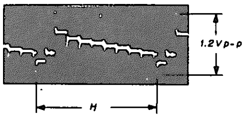
PB



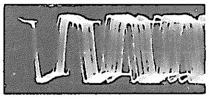
㉒ TP217
REC/PB



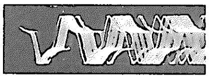
㉓ TP218
REC/PB



㉔ TP212
REC/PB

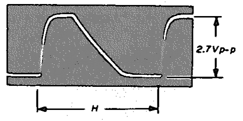


㉕ TP215
REC

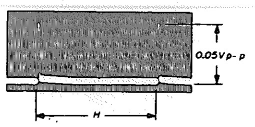


MD-44(2/2); Y/C MODULATOR

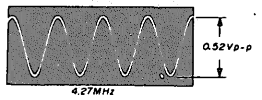
① TP401 REC/PB



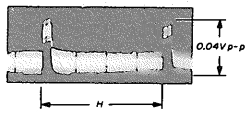
② TP402 REC/PB



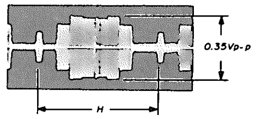
③ TP403 REC



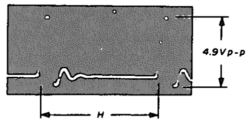
④ TP404 REC/PB



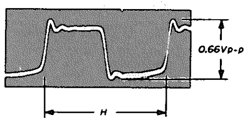
⑤ TP408 REC/PB



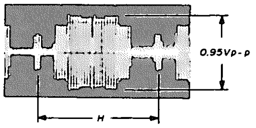
⑥ TP409 REC/PB



⑦ TP406 REC/PB

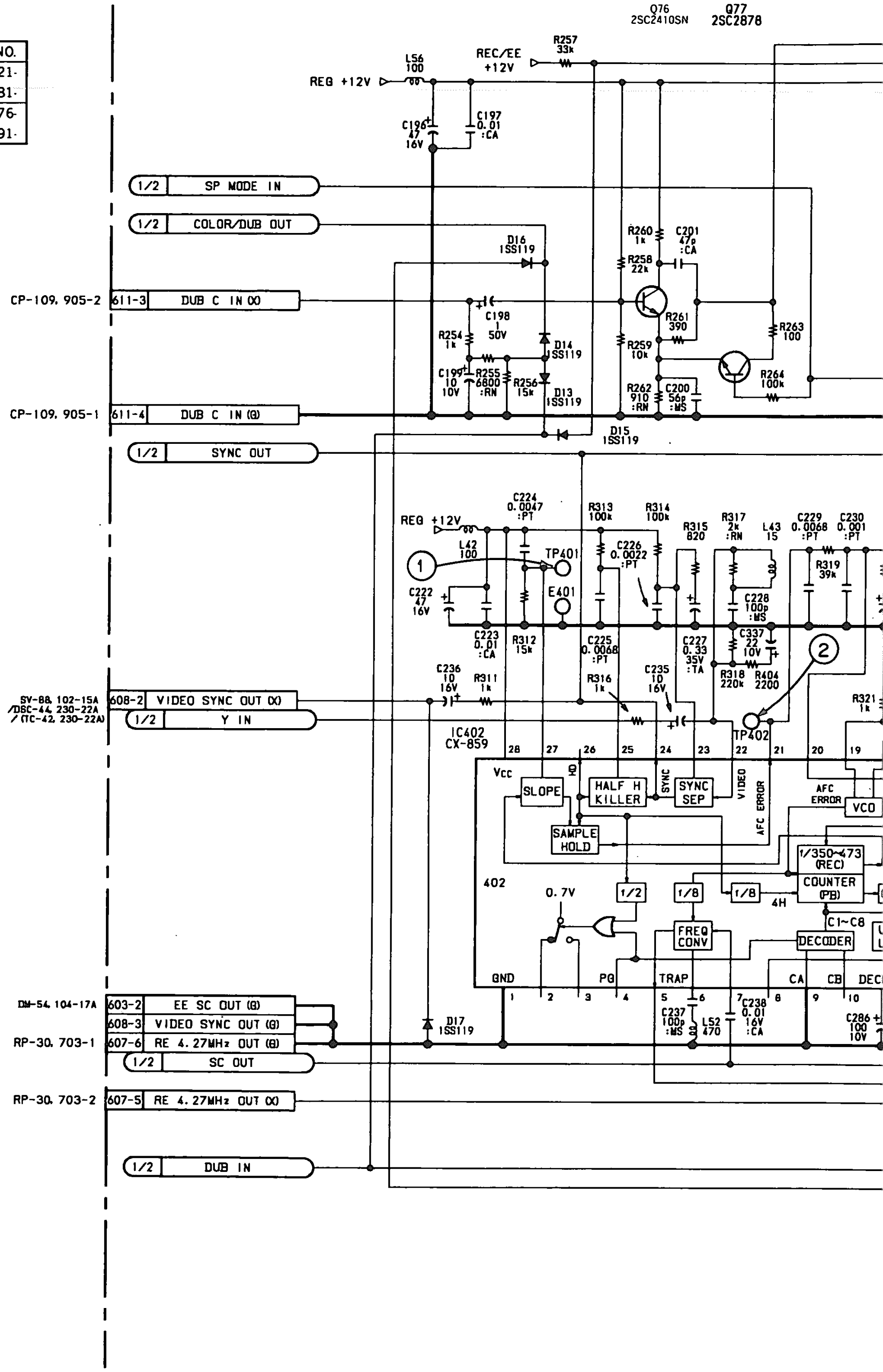


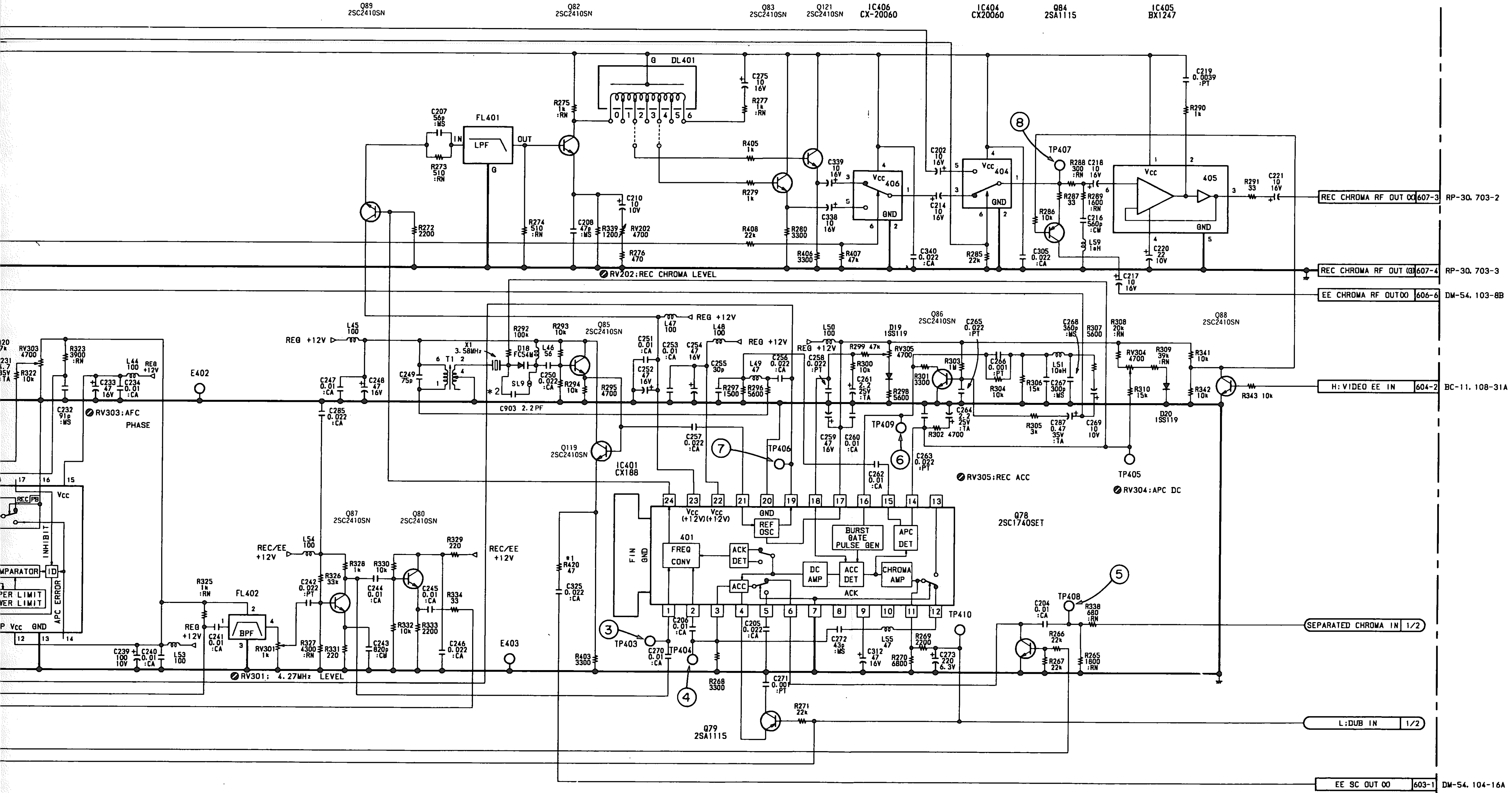
⑧ TP407 REC



NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
*1	R420 ADDED	J ; 10021- UC; 10381-
*2	C903 2.2pF ADDED	J ; 11276- UC; 15291-

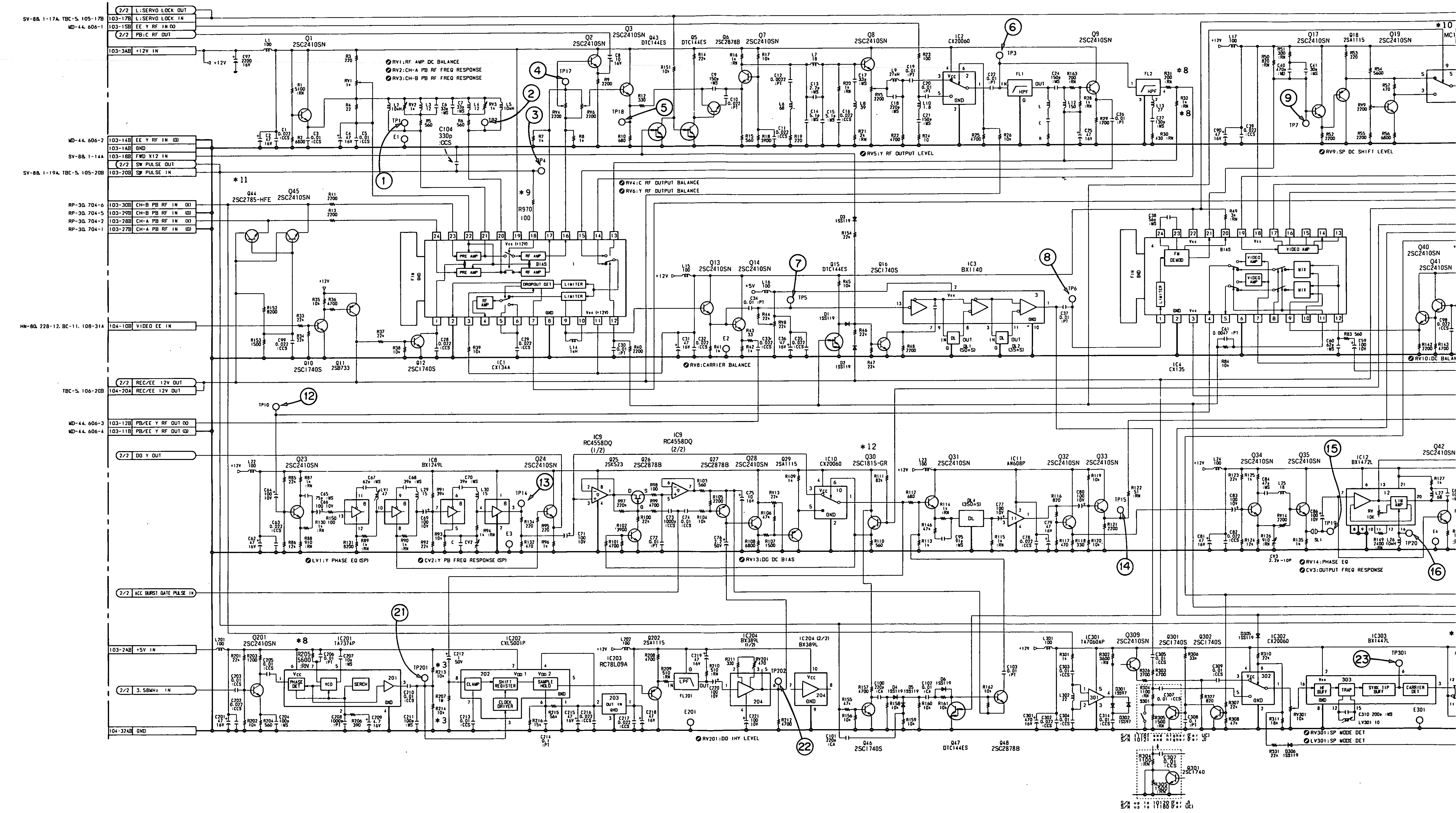


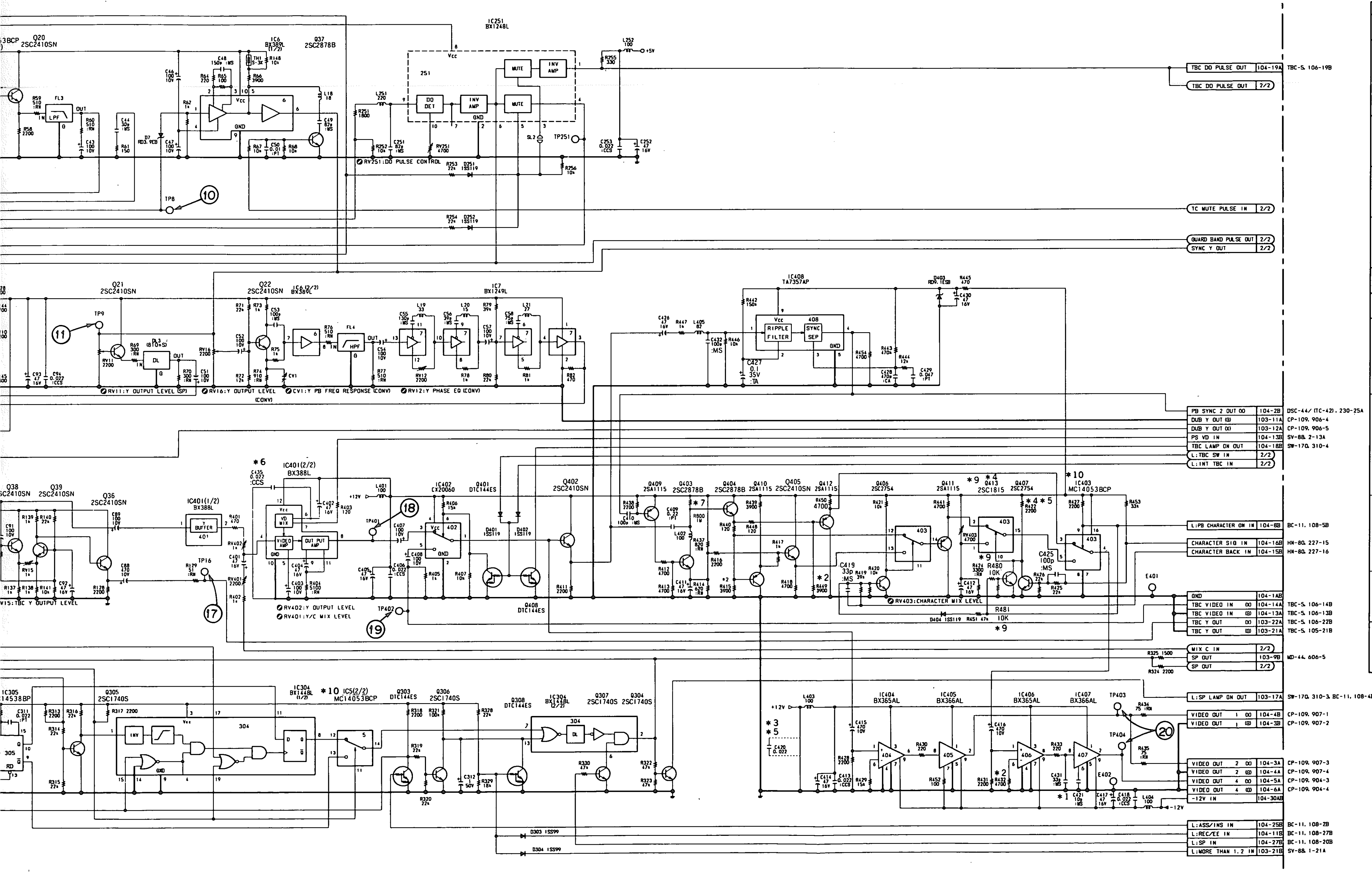


MD-44(2/2)

1-622-728-11, 12, 13, 14, 15(7)
BVU-950

DM-54(1/2); Y/C DEMODULATOR





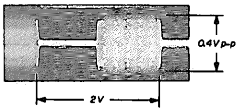
NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
*1	M-5	C421 ADDED 10p	J ; 10021- UC; 10001-
*2	L-4 M-5 L-4	R415 CHANGED 1800 → 3900 R432 CHANGED 3300 → 4700 R449 CHANGED 1800 → 3900	J ; 10021- UC; 10381-
*3	L-4 C-4 C-5	C420 ADDED 0.022 R213 DELETED R214 DELETED	J ; 10121- UC; 11181-
*4	M-3 M-3	Q413 ADDED R422 CHANGED 10K → 4700	J ; 10221- UC; 11681-
*5	L-4 M-3	C420 DELETED (SHORT) R422 CHANGED 4700 → 2200	J ; 10261- UC; 12241-
*6	J-3	C435 ADDED 0.022	J ; 10636- UC; 13591-
*7	L-3	R800 ADDED 1M	J ; 11026- UC; 13741-
*8	G-1 G-1 B-4	R31 CHANGED 100 → 200 R32 CHANGED 1100 → 1K R205 CHANGED 6800 → 5600	J ; 11176- UC; 14941-
*9	M-3 M-4 M-4 C-2	Q413 CHANGED DTC144ES → 2SC1815 R480 ADDED 10K R481 ADDED 10K R970 ADDED 100	J ; 11326- UC; 15291-
*10	H-1 H-4 M-3	IC5 CHANGED TC4053BP → MC14053BCP IC305 CHANGED HD14538BP → MC14538BP IC403 CHANGED TC4053BP → MC14053BCP	J ; 11446 UC; 15966-
*11	B-2	Q44 CHANGED 2SC403SP ↓ 2SC2785-HFE	J ; 11496 UC; 16326-
*12	E-4	Q30 CHANGED 2SC403SP ↓ 2SC1815-GR	J ; 11786 UC; 17351-

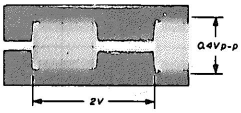
DM-54(1/2)

1-622-707-11, 12, 13, 14, 15, 16(11)
BVU-950

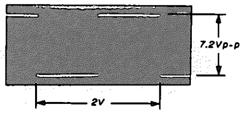
① TP1
PB



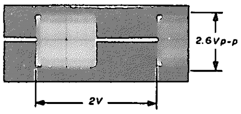
② TP2
PB



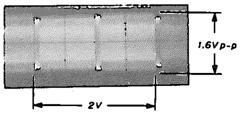
③ TP4
REC/PB



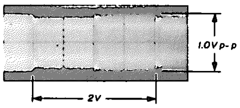
④ TP17
PB



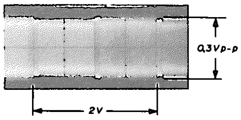
⑤ TP18
PB



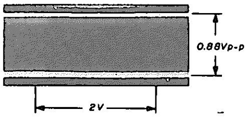
⑥ TP3
PB



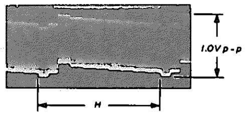
⑦ TP5
PB



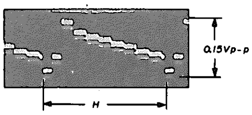
⑧ TP6
REC/PB



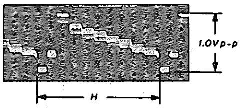
⑨ TP7
REC/PB



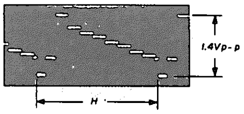
⑩ TP8
REC/PB



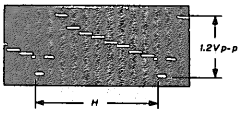
⑪ TP9
REC/PB



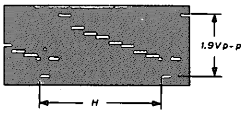
⑫ TP10
REC/PB



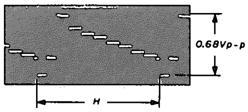
⑬ TP14
REC/PB



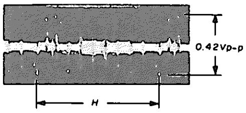
⑭ TP15
REC/PB



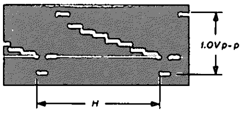
⑮ TP19
REC/PB



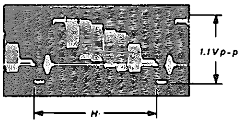
⑯ TP20
REC/PB



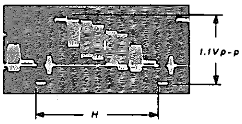
⑰ TP16
REC/PB



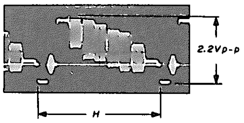
⑱ TP401
REC/PB



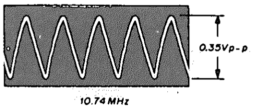
⑲ TP402
REC/PB



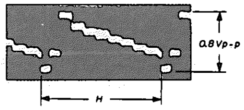
⑳ TP403
TP404
REC/PB



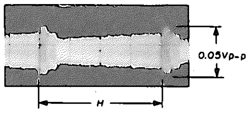
㉑ TP201
REC/PB



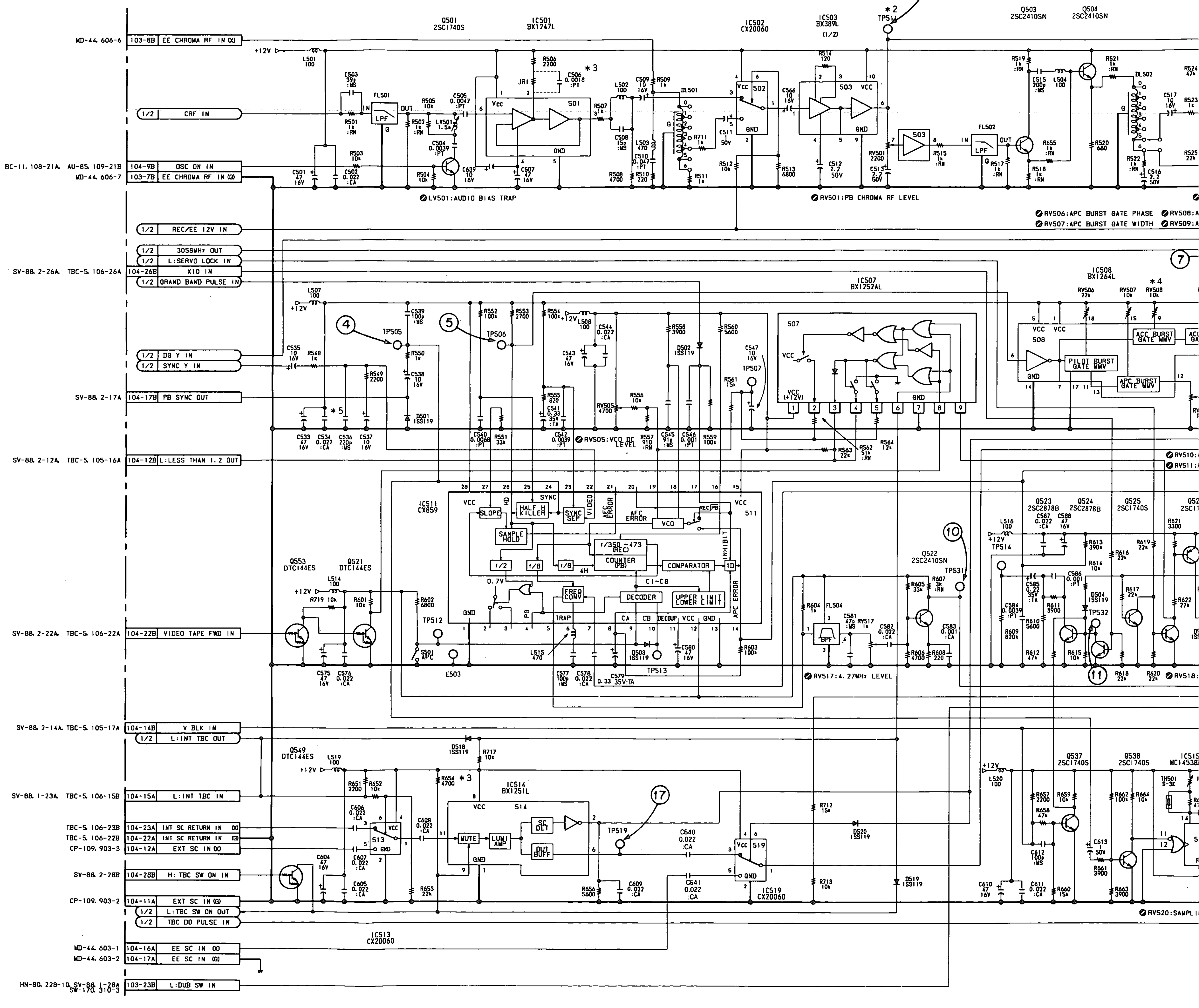
㉒ TP202
REC/PB



㉓ TP301
REC/PB

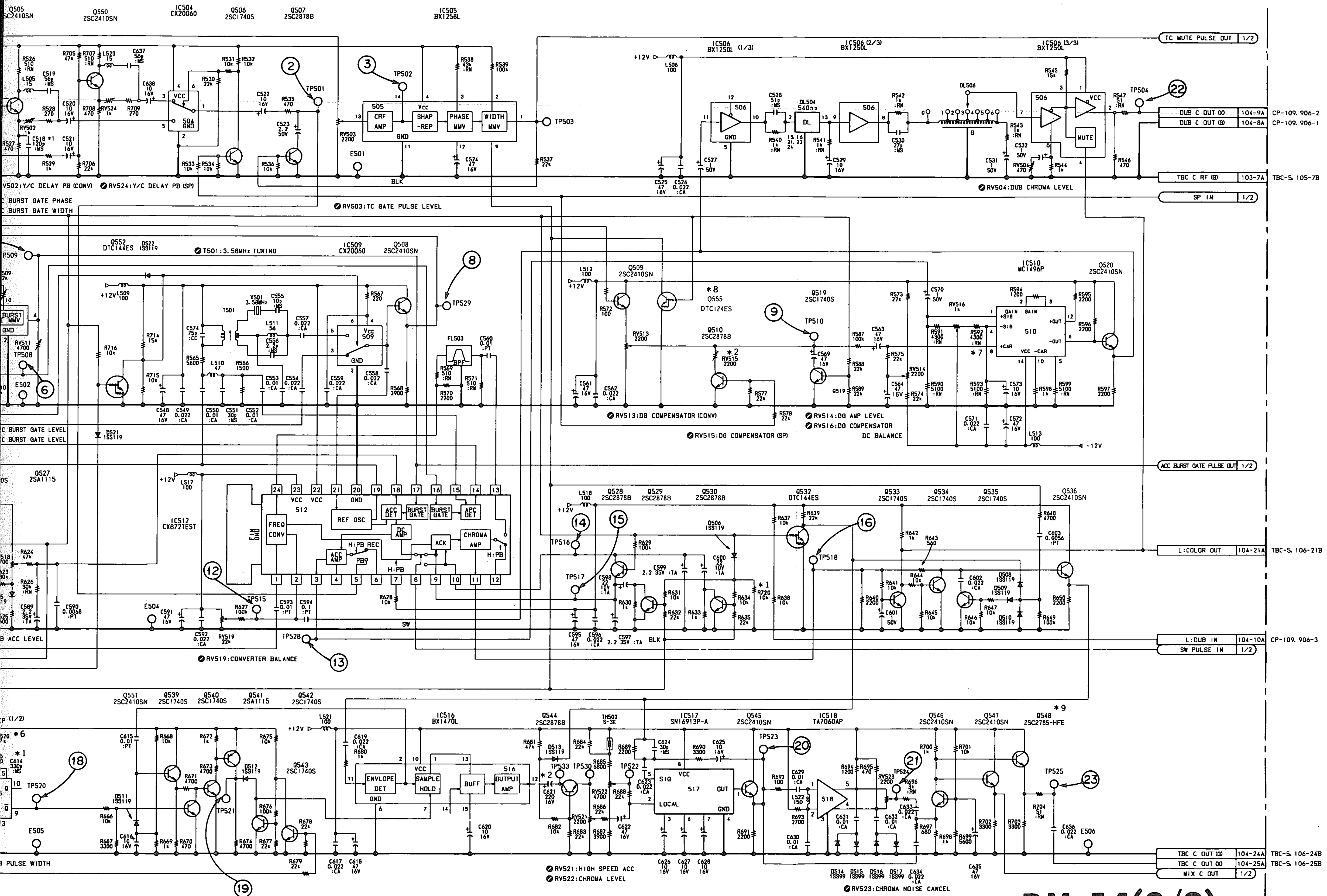


DM-54(2/2); Y/C DEMODULATOR



1 2 3 4 5

A B C D E F G H



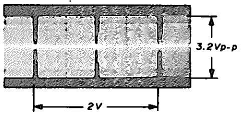
NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
*1	H-1 H-4 L-3	C518 ADDED C614 CHANGED 220P → 330P R720 ADDED	J ; 10021- UC; 10381-
*2	G-1 L-3 K-5	TP511 DELETED RV515 CHANGED 2K → 2200 TP533 ADDED	J ; 10121- UC; 11181-
*3	E-1 E-4	C506 DELETED (SHORT) R654 CHANGED 1K → 4700	J ; 10261- UC; 12241-
*4	H-2	RV508 CHANGED 4700 → 10K	J ; 10361- UC; 13191-
*5	D-3	C536 CHANGED 62P → 220P	J ; 11026- UC; 13691-
*6	H-4	RV520 CHANGED 22K → 47K	J ; 11176- UC; 14741-
*7	M-2	R592 CHANGED 4700 → 4300	J ; 11276- UC; 15191-
*8	L-2	Q555 ADDED	J ; 11376- UC; 15641-
*9	M-4	Q548 CHANGED 2SC403SP ↓ 2SC2785-HFE	J ; 11496- UC; 16326-

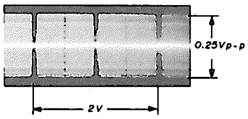
DM-54(2/2)

1-622-707-11, 12, 13, 14, 15, 16(11)
BVU-950

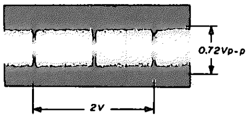
① TP511
REC



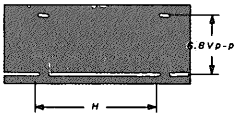
② TP501
REC



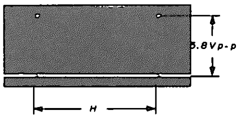
③ TP502
REC



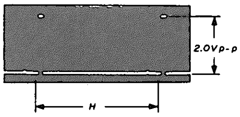
④ TP505
REC/PB



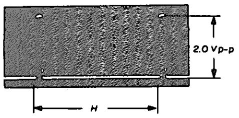
⑤ TP506
REC/PB



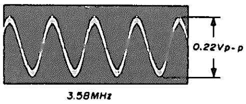
⑥ TP508
REC/PB



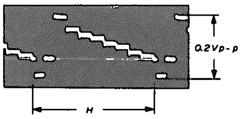
⑦ TP509
REC/PB



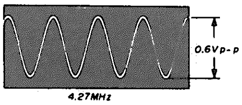
⑧ TP529
REC/PB



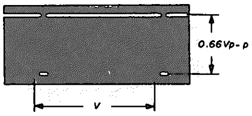
⑨ TP510
PB



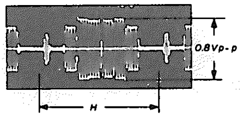
⑩ TP531
REC



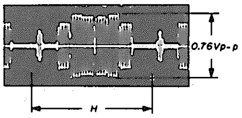
⑪ TP532
PB



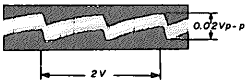
⑫ TP515
REC/PB



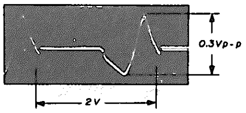
⑬ TP528
REC



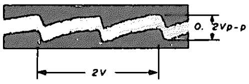
⑭ TP516
REC



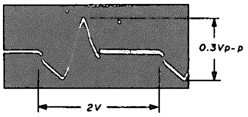
PAUSE



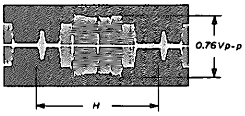
⑮ TP517
REC



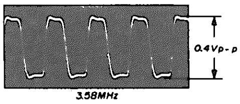
PAUSE



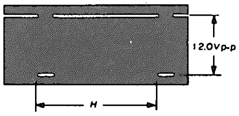
⑯ TP518
REC



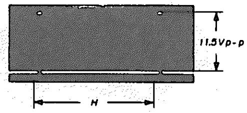
⑰ TP519
PB



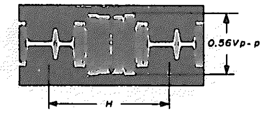
⑱ TP520
REC/PB



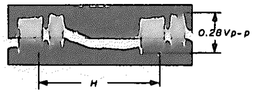
⑲ TP521
REC/PB



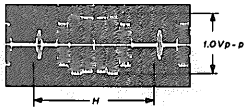
⑳ TP523
REC/PB



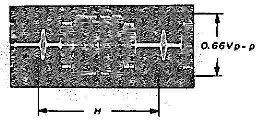
㉑ TP524
REC/PB



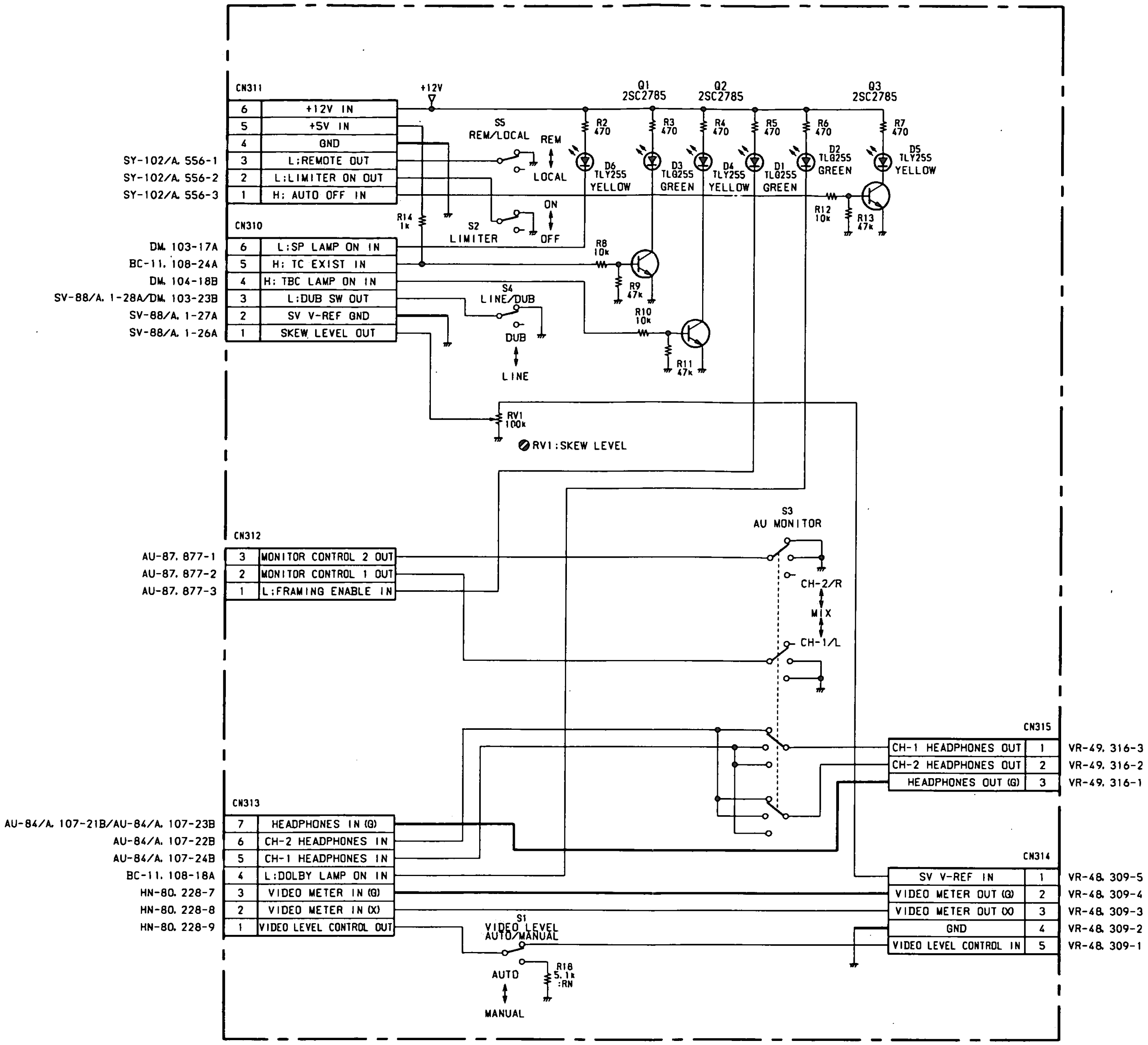
㉒ TP504
REC/PB



㉓ TP525
REC/PB



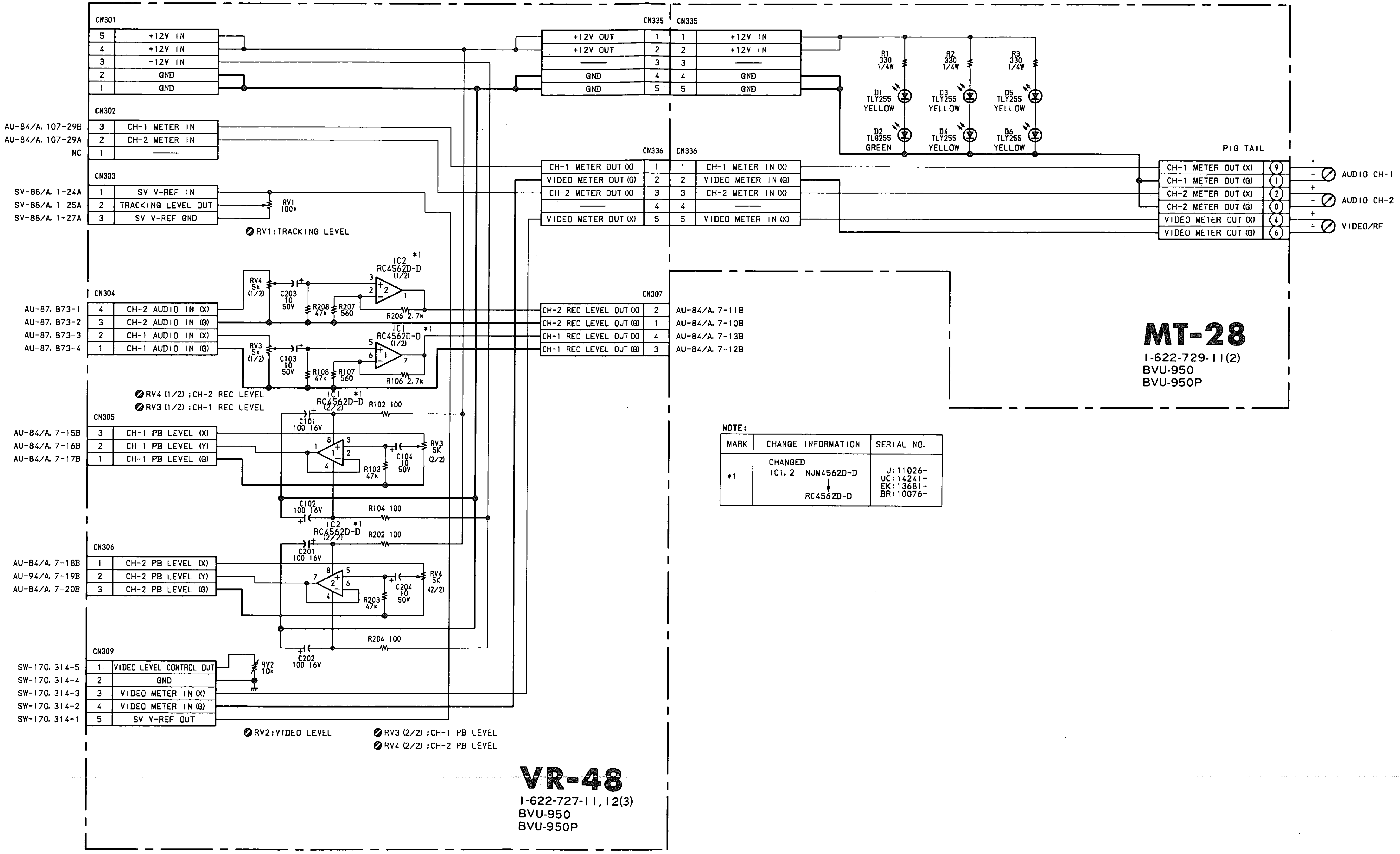
SW-170; SELECT SWITCH/WARNING INDICATOR


CN311
6 +12V IN
5 +5V IN
4 GND
SY-102/A. 556-1 3 L:REMOTE OUT
SY-102/A. 556-2 2 L:LIMITER ON OUT
SY-102/A. 556-3 1 H: AUTO OFF IN
CN310
DM. 103-17A 6 L:SP LAMP ON IN
BC-11. 108-24A 5 H: TC EXIST IN
DM. 104-18B 4 H: TBC LAMP ON IN
SV-88/A. 1-28A/DM. 103-23B 3 L:DUB SW OUT
SV-88/A. 1-27A 2 SV V-REF GND
SV-88/A. 1-26A 1 SKEW LEVEL OUT
+12V
R14 1k
S5 REM/LOCAL
REM
LOCAL
S2 LIMITER
ON
OFF
S4 LINE/DUB
DUB
LINE
RV1 100k
RV1:SKEW LEVEL
Q1 2SC2785
Q2 2SC2785
Q3 2SC2785
R2 470
R3 470
R4 470
R5 470
R6 470
R7 470
D6 TLY255 YELLOW
D3 TLG255 GREEN
D4 TLY255 YELLOW
D1 TLG255 GREEN
D2 TLG255 GREEN
D5 TLY255 YELLOW
R8 10k
R9 47k
R10 10k
R11 47k
R12 10k
R13 47k
CN312
AU-87. 877-1 3 MONITOR CONTROL 2 OUT
AU-87. 877-2 2 MONITOR CONTROL 1 OUT
AU-87. 877-3 1 L:FRAMING ENABLE IN
S3 AU MONITOR
CH-2/R
MIX
CH-1/L
CN315
CH-1 HEADPHONES OUT 1 VR-49. 316-3
CH-2 HEADPHONES OUT 2 VR-49. 316-2
HEADPHONES OUT (G) 3 VR-49. 316-1
CN313
AU-84/A. 107-21B/AU-84/A. 107-23B 7 HEADPHONES IN (G)
AU-84/A. 107-22B 6 CH-2 HEADPHONES IN
AU-84/A. 107-24B 5 CH-1 HEADPHONES IN
BC-11. 108-18A 4 L:DOLBY LAMP ON IN
HN-80. 228-7 3 VIDEO METER IN (G)
HN-80. 228-8 2 VIDEO METER IN (X)
HN-80. 228-9 1 VIDEO LEVEL CONTROL OUT
S1 VIDEO LEVEL AUTO/MANUAL
AUTO
MANUAL
R18 5.1k :RN
CN314
SV V-REF IN 1 VR-48. 309-5
VIDEO METER OUT (G) 2 VR-48. 309-4
VIDEO METER OUT (X) 3 VR-48. 309-3
GND 4 VR-48. 309-2
VIDEO LEVEL CONTROL IN 5 VR-48. 309-1

SW-170

1-622-737-11, 12(3)
BVU-950
BVU-950P

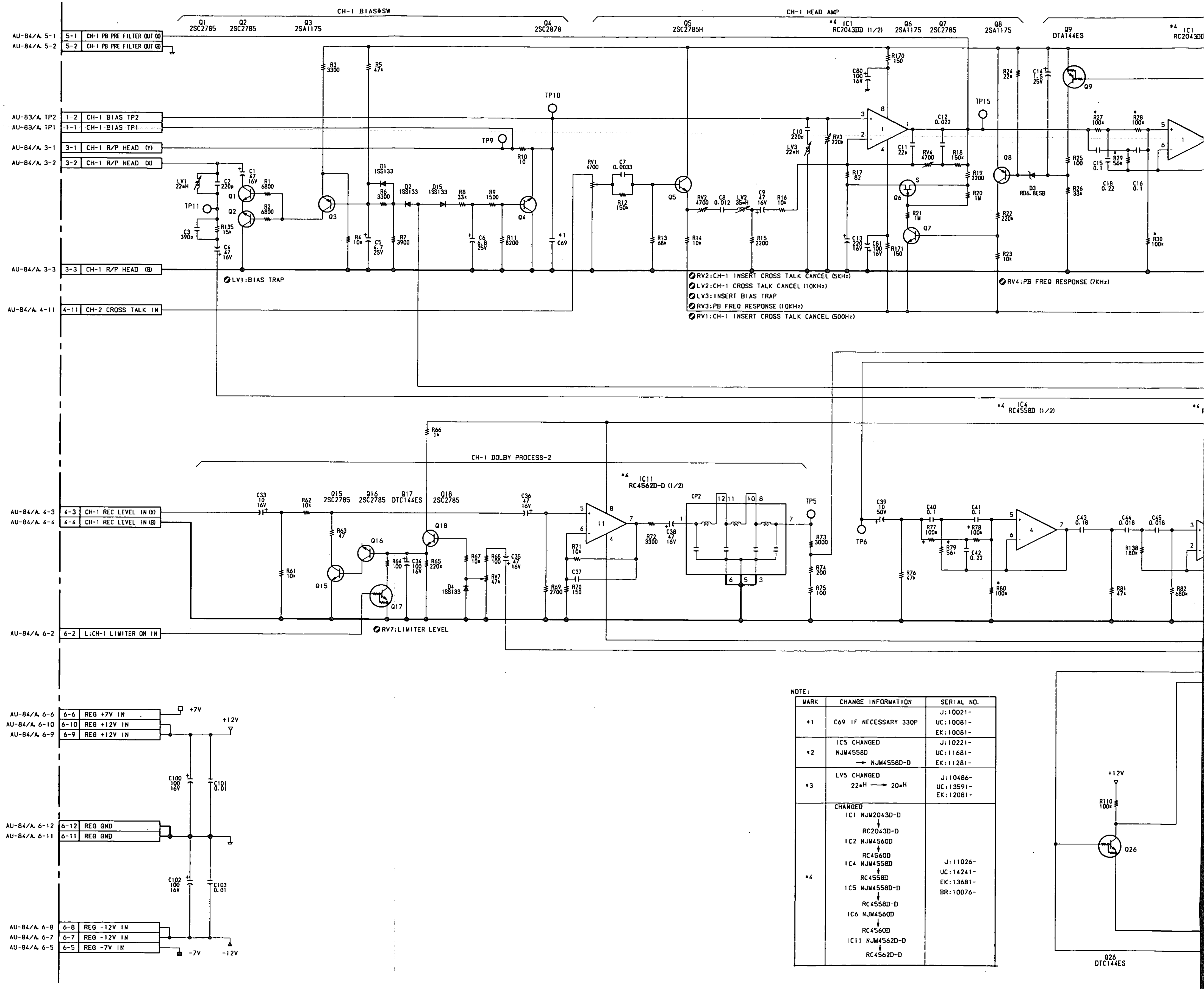
MT-28; VIDEO/AUDIO LEVEL METER
VR-48; VIDEO/AUDIO/TRACKING LEVEL CONTROL



NOTE:

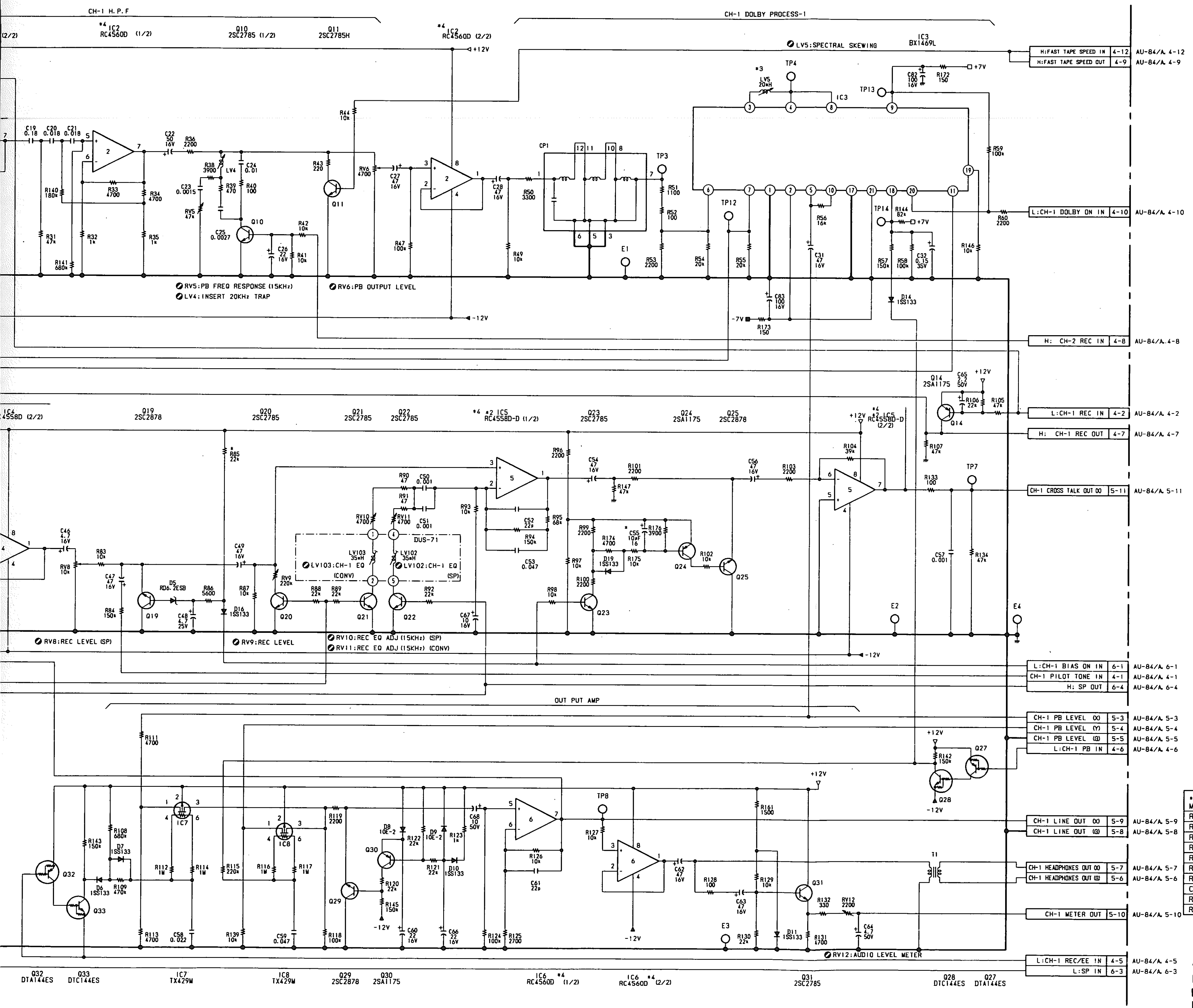
MARK	CHANGE INFORMATION	SERIAL NO.
*1	CHANGED IC1, 2 NJM4562D-D ↓ RC4562D-D	J:11026- UC:14241- EK:13681- BR:10076-

AU-83; CH-1 REC/PB /DOLBY PROCESSOR
DUS-71; VARIABLE COIL


CH-1 BIAS&SW
CH-1 HEAD AMP
CH-1 DOLBY PROCESS-2
AU-84/A 5-1 5-1 CH-1 PB PRE FILTER OUT (X)
AU-84/A 5-2 5-2 CH-1 PB PRE FILTER OUT (G)
AU-83/A TP2 1-2 CH-1 BIAS TP2
AU-83/A TP1 1-1 CH-1 BIAS TP1
AU-84/A 3-1 3-1 CH-1 R/P HEAD (Y)
AU-84/A 3-2 3-2 CH-1 R/P HEAD (X)
AU-84/A 3-3 3-3 CH-1 R/P HEAD (G)
AU-84/A 4-11 4-11 CH-2 CROSS TALK IN
AU-84/A 4-3 4-3 CH-1 REC LEVEL IN (X)
AU-84/A 4-4 4-4 CH-1 REC LEVEL IN (G)
AU-84/A 6-2 6-2 L:CH-1 LIMITER ON IN
AU-84/A 6-6 6-6 REG +7V IN
AU-84/A 6-10 6-10 REG +12V IN
AU-84/A 6-9 6-9 REG +12V IN
AU-84/A 6-12 6-12 REG GND
AU-84/A 6-11 6-11 REG GND
AU-84/A 6-8 6-8 REG -12V IN
AU-84/A 6-7 6-7 REG -12V IN
AU-84/A 6-5 6-5 REG -7V IN
+7V
+12V
-7V
-12V
Q1 2SC2785
Q2 2SC2785
Q3 2SA1175
Q4 2SC2878
Q5 2SC2785H
*4 IC1 RC2043DD (1/2)
Q6 2SA1175
Q7 2SC2785
Q8 2SA1175
Q9 DTA144ES
*4 IC1 RC2043DD
Q15 2SC2785
Q16 2SC2785
Q17 DTC144ES
Q18 2SC2785
*4 IC11 RC4562D-D (1/2)
*4 IC4 RC4558D (1/2)
Q26 DTC144ES
TP5
TP6
TP9
TP10
TP11
TP15
CP2
LV1:BIAS TRAP
RV2:CH-1 INSERT CROSS TALK CANCEL (5KHz)
LV2:CH-1 CROSS TALK CANCEL (10KHz)
LV3:INSERT BIAS TRAP
RV3:PB FREQ RESPONSE (10KHz)
RV1:CH-1 INSERT CROSS TALK CANCEL (500Hz)
RV4:PB FREQ RESPONSE (7KHz)
RV7:LIMITER LEVEL

NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
*1	C69 IF NECESSARY 330P	J:10021- UC:10081- EK:10081-
*2	IC5 CHANGED NJM4558D → NJM4558D-D	J:10221- UC:11681- EK:11281-
*3	LV5 CHANGED 22mH → 20mH	J:10486- UC:13591- EK:12081-
*4	CHANGED IC1 NJM2043D-D ↓ RC2043D-D IC2 NJM4560D ↓ RC4560D IC4 NJM4558D ↓ RC4558D IC5 NJM4558D-D ↓ RC4558D-D IC6 NJM4560D ↓ RC4560D IC11 NJM4562D-D ↓ RC4562D-D	J:11026- UC:14241- EK:13681- BR:10076-


CH-1 H.P.F
*4 IC2 RC4560D (1/2)
Q10 2SC2785 (1/2)
Q11 2SC2785H
*4 IC2 RC4560D (2/2)
CH-1 DOLBY PROCESS-1
LV5:SPECTRAL SKEWING
IC3 BX1469L
RV5:PB FREQ RESPONSE (15KHz)
LV4:INSERT 20KHz TRAP
RV6:PB OUTPUT LEVEL
H:FAST TAPE SPEED IN 4-12 AU-84/A 4-12
H:FAST TAPE SPEED OUT 4-9 AU-84/A 4-9
L:CH-1 DOLBY ON IN 4-10 AU-84/A 4-10
H: CH-2 REC IN 4-8 AU-84/A 4-8
L:CH-1 REC IN 4-2 AU-84/A 4-2
H: CH-1 REC OUT 4-7 AU-84/A 4-7
CH-1 CROSS TALK OUT (X) 5-11 AU-84/A 5-11
IC4 RC4558D (2/2)
Q19 2SC2878
Q20 2SC2785
Q21 2SC2785
Q22 2SC2785
*4 *2 IC5 RC4558D-D (1/2)
Q23 2SC2785
Q24 2SA1175
Q25 2SC2878
Q14 2SA1175
*4 *2 IC5 RC4558D-D (2/2)
DUS-71
LV103:CH-1 EQ (CONV)
LV102:CH-1 EQ (SP)
RV8:REC LEVEL (SP)
RV9:REC LEVEL
RV10:REC EQ ADJ (15KHz) (SP)
RV11:REC EQ ADJ (15KHz) (CONV)
L:CH-1 BIAS ON IN 6-1 AU-84/A 6-1
CH-1 PILOT TONE IN 4-1 AU-84/A 4-1
H: SP OUT 6-4 AU-84/A 6-4
OUT PUT AMP
CH-1 PB LEVEL (X) 5-3 AU-84/A 5-3
CH-1 PB LEVEL (Y) 5-4 AU-84/A 5-4
CH-1 PB LEVEL (G) 5-5 AU-84/A 5-5
L:CH-1 PB IN 4-6 AU-84/A 4-6
CH-1 LINE OUT (X) 5-9 AU-84/A 5-9
CH-1 LINE OUT (G) 5-8 AU-84/A 5-8
CH-1 HEADPHONES OUT (X) 5-7 AU-84/A 5-7
CH-1 HEADPHONES OUT (G) 5-6 AU-84/A 5-6
CH-1 METER OUT 5-10 AU-84/A 5-10
RV12:AUDIO LEVEL METER
L:CH-1 REC/EE IN 4-5 AU-84/A 4-5
L:SP IN 6-3 AU-84/A 6-3
Q32 DTA144ES
Q33 DTC144ES
IC7 TX429M
IC8 TX429M
Q29 2SC2878
Q30 2SA1175
IC6 *4 RC4560D (1/2)
IC6 *4 RC4560D (2/2)
Q31 2SC2785
Q28 DTC144ES
Q27 DTA144ES

* MARK	AU-83 NTSC	AU-83A PAL
R27	100K	120K
R28	100K	120K
R30	100K	120K
R77	100K	120K
R78	100K	120K
R80	100K	120K
R85	22K	10K
C55	10u/16v	15u/16v
R29	56K	68K
R79	56K	68K

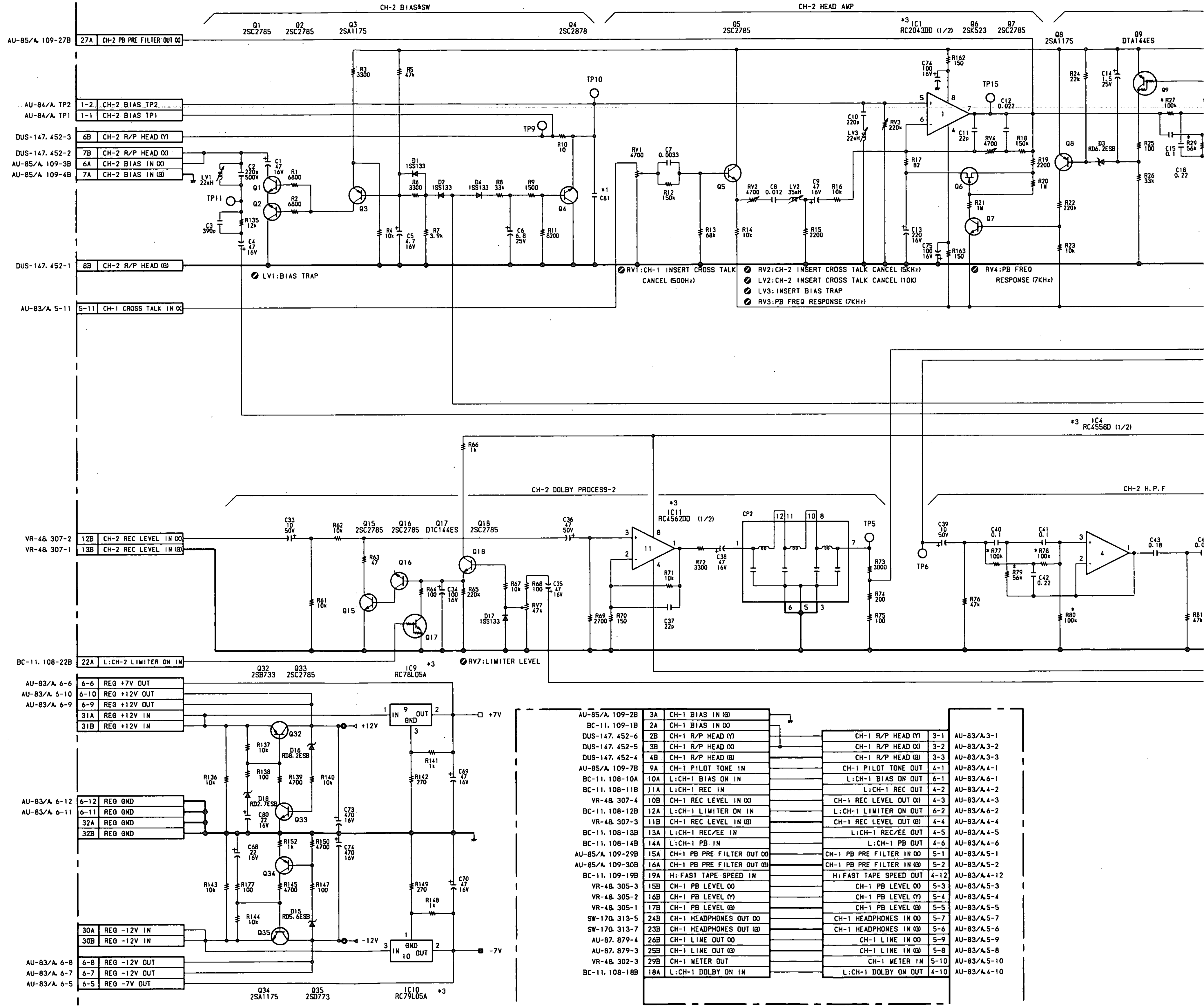
AU-83/A

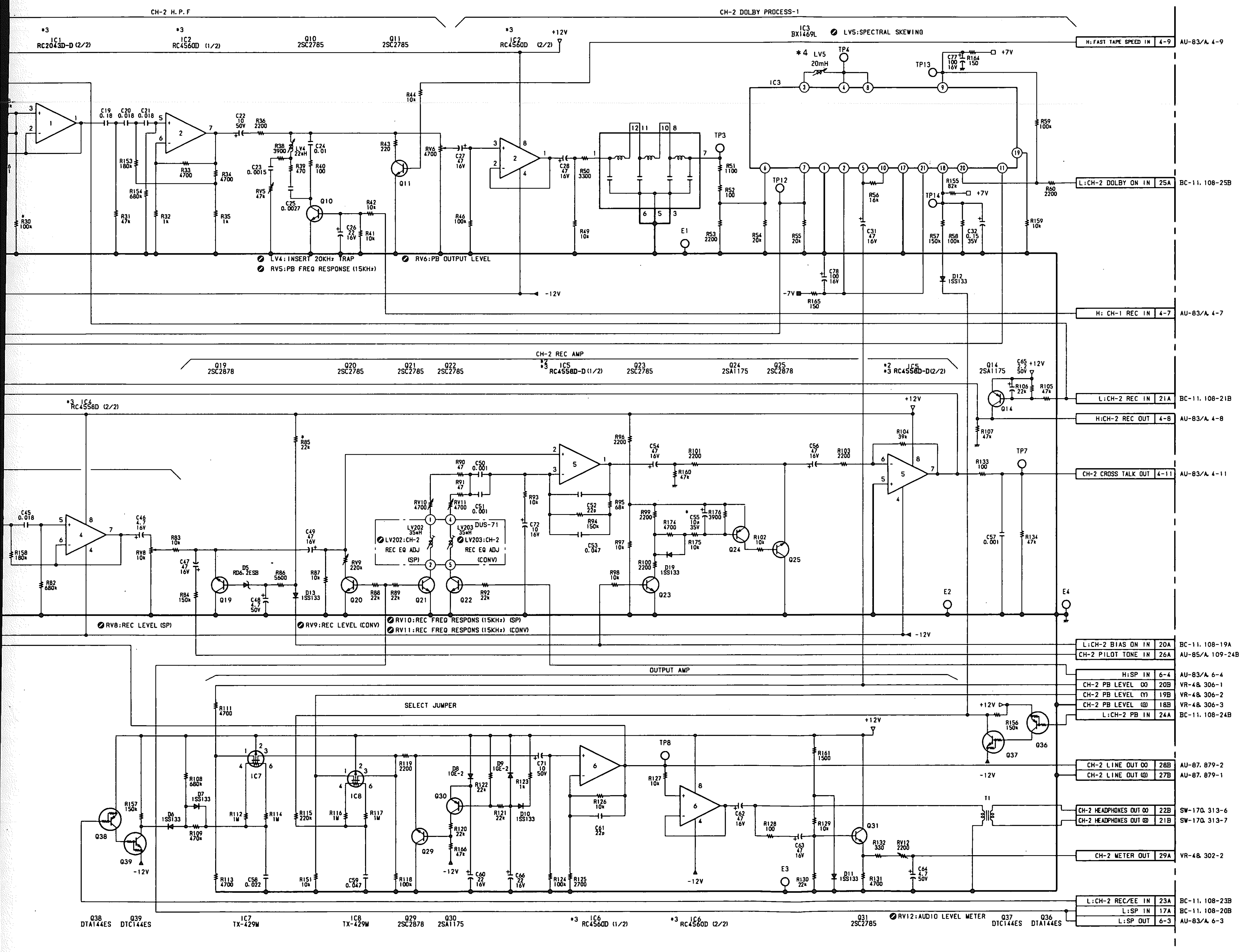
1-622-700-11, 12, 13(4)
BVU-950
BVU-950P

AU-84; CH-2 REC/PB AMPLIFIER
DUS-71; VARIABLE COIL

NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
* 1	C81 IF NECESSARY 330P	J ; 10021- UC ; 10081- EK ; 10081-
* 2	IC5 CHANGED NJM4558D → NJM4558D-D	J ; 10221- UC ; 11681- EK ; 11281-
* 3	CHANGED IC1 NJM2043D-D ↓ RC2043D-D IC2 NJM4560D ↓ RC4560D IC4 NJM4558D ↓ RC4558D IC5 NJM4558D-D ↓ RC4558D-D IC6 NJM4560D ↓ RC4560D IC9 NJM78L05A ↓ RC78L05A IC10 NJM79L05A ↓ RC79L05A IC11 NJM4562D-D ↓ RC4562D-D	J ; 11026- UC ; 14241- EK ; 13680- BR ; 10076-
* 4	LV5 CHANGED 22mH → 20mH	J ; 11326- UC ; 15641- EK ; 13731-


CH-2 BIAS&SW
CH-2 HEAD AMP
CH-2 DOLBY PROCESS-2
CH-2 H.P.F
Q1 2SC2785
Q2 2SC2785
Q3 2SA1175
Q4 2SC2878
Q5 2SC2785
*3 IC1 RC2043DD (1/2)
Q6 2SK523
Q7 2SC2785
Q8 2SA1175
Q9 DTA144ES
Q15 2SC2785
Q16 2SC2785
Q17 DTC144ES
Q18 2SC2785
*3 IC11 RC4562DD (1/2)
*3 IC4 RC4558D (1/2)
Q32 2SB733
Q33 2SC2785
IC9 RC78L05A *3
Q34 2SA1175
Q35 2SD773
IC10 RC79L05A *3
AU-85/A 109-27B 27A CH-2 PB PRE FILTER OUT (X)
AU-84/A TP2 1-2 CH-2 BIAS TP2
AU-84/A TP1 1-1 CH-2 BIAS TP1
DUS-147, 452-3 6B CH-2 R/P HEAD (Y)
DUS-147, 452-2 7B CH-2 R/P HEAD (X)
AU-85/A 109-3B 6A CH-2 BIAS IN (X)
AU-85/A 109-4B 7A CH-2 BIAS IN (G)
DUS-147, 452-1 8B CH-2 R/P HEAD (G)
AU-83/A 5-11 5-11 CH-1 CROSS TALK IN (X)
VR-48, 307-2 12B CH-2 REC LEVEL IN (X)
VR-48, 307-1 13B CH-2 REC LEVEL IN (G)
BC-11, 108-22B 22A L:CH-2 LIMITER ON IN
AU-83/A 6-6 6-6 REG +7V OUT
AU-83/A 6-10 6-10 REG +12V OUT
AU-83/A 6-9 6-9 REG +12V OUT
31A REG +12V IN
31B REG +12V IN
AU-83/A 6-12 6-12 REG GND
AU-83/A 6-11 6-11 REG GND
32A REG GND
32B REG GND
30A REG -12V IN
30B REG -12V IN
AU-83/A 6-8 6-8 REG -12V OUT
AU-83/A 6-7 6-7 REG -12V OUT
AU-83/A 6-5 6-5 REG -7V OUT
+12V
-12V
+7V
-7V
LV1 22mH
C1 47 16V
C2 220p 500V
C3 390p
C4 47 16V
R1 6800
R2 6800
R135 12k
TP11
R3 3300
R5 47k
D1 1SS133
R6 3300
D2 1SS133
D4 1SS133
R8 33k
R9 1500
R4 10k
C5 4.7 16V
R7 3.9k
C6 6.8 25V
R11 8200
TP9
R10 10
TP10
*1 C81
RV1 4700
C7 0.0033
R12 150k
R13 68k
R14 10k
RV2 4700
C8 0.012
LV2 35mH
C9 47 16V
R16 10k
R15 2200
C10 220p
LV3 22mH
RV3 220k
C74 100 16V
R162 150
TP15
C12 0.022
C11 22p
RV4 4700
R18 150k
R17 82
R19 2200
R20 1M
R21 1M
C13 220 16V
C75 100 16V
R163 150
R24 22k
C14 1.5 25V
D3 RD6.2ESB
R22 220k
R23 10k
R25 100
R26 33k
* R27 100k
C15 0.1
* R29 56k
C18 0.22
⊘ LV1:BIAS TRAP
⊘ RV1:CH-1 INSERT CROSS TALK CANCEL (500Hz)
⊘ RV2:CH-2 INSERT CROSS TALK CANCEL (5KHz)
⊘ LV2:CH-2 INSERT CROSS TALK CANCEL (10K)
⊘ LV3:INSERT BIAS TRAP
⊘ RV3:PB FREQ RESPONSE (7KHz)
⊘ RV4:PB FREQ RESPONSE (7KHz)
R66 1k
C33 10 50V
R62 10k
R61 10k
R63 47
R64 100
C34 100 16V
R65 220k
R67 10k
R68 100
C35 47 16V
D17 1SS133
RV7 47k
⊘ RV7:LIMITER LEVEL
C36 47 50V
R69 2700
R70 150
R71 10k
C37 22p
R72 3300
C38 47 16V
CP2
TP5
R73 3000
R74 200
R75 100
TP6
C39 10 50V
C40 0.1
C41 0.1
* R77 100k
* R78 100k
* R79 56k
C42 0.22
R76 47k
* R80 100k
C43 0.18
R81 47k
R137 10k
D16 RD8.2ESB
R138 100
R139 4700
R140 10k
R136 10k
D18 RD2.7ESB
C80 22 16V
C73 470 16V
R141 1k
R142 270
C69 47 16V
C68 22 16V
R152 1k
R150 4700
C74 470 16V
R143 10k
R177 100
R145 4700
R147 100
R144 10k
D15 RD5.6ESB
R149 270
R148 1k
C70 47 16V
AU-85/A 109-2B 3A CH-1 BIAS IN (G)
BC-11, 109-1B 2A CH-1 BIAS IN (X)
DUS-147, 452-6 2B CH-1 R/P HEAD (Y) — CH-1 R/P HEAD (Y) 3-1 AU-83/A 3-1
DUS-147, 452-5 3B CH-1 R/P HEAD (X) — CH-1 R/P HEAD (X) 3-2 AU-83/A 3-2
DUS-147, 452-4 4B CH-1 R/P HEAD (G) — CH-1 R/P HEAD (G) 3-3 AU-83/A 3-3
AU-85/A 109-7B 9A CH-1 PILOT TONE IN — CH-1 PILOT TONE OUT 4-1 AU-83/A 4-1
BC-11, 108-10A 10A L:CH-1 BIAS ON IN — L:CH-1 BIAS ON OUT 6-1 AU-83/A 6-1
BC-11, 108-11B 11A L:CH-1 REC IN — L:CH-1 REC OUT 4-2 AU-83/A 4-2
VR-48, 307-4 10B CH-1 REC LEVEL IN (X) — CH-1 REC LEVEL OUT (X) 4-3 AU-83/A 4-3
BC-11, 108-12B 12A L:CH-1 LIMITER ON IN — L:CH-1 LIMITER ON OUT 6-2 AU-83/A 6-2
VR-48, 307-3 11B CH-1 REC LEVEL IN (G) — CH-1 REC LEVEL OUT (G) 4-4 AU-83/A 4-4
BC-11, 108-13B 13A L:CH-1 REC/EE IN — L:CH-1 REC/EE OUT 4-5 AU-83/A 4-5
BC-11, 108-14B 14A L:CH-1 PB IN — L:CH-1 PB OUT 4-6 AU-83/A 4-6
AU-85/A 109-29B 15A CH-1 PB PRE FILTER OUT (X) — CH-1 PB PRE FILTER IN (X) 5-1 AU-83/A 5-1
AU-85/A 109-30B 16A CH-1 PB PRE FILTER OUT (G) — CH-1 PB PRE FILTER IN (G) 5-2 AU-83/A 5-2
BC-11, 109-19B 19A H:FAST TAPE SPEED IN — H:FAST TAPE SPEED OUT 4-12 AU-83/A 4-12
VR-48, 305-3 15B CH-1 PB LEVEL (X) — CH-1 PB LEVEL (X) 5-3 AU-83/A 5-3
VR-48, 305-2 16B CH-1 PB LEVEL (Y) — CH-1 PB LEVEL (Y) 5-4 AU-83/A 5-4
VR-48, 305-1 17B CH-1 PB LEVEL (G) — CH-1 PB LEVEL (G) 5-5 AU-83/A 5-5
SW-170, 313-5 24B CH-1 HEADPHONES OUT (X) — CH-1 HEADPHONES IN (X) 5-7 AU-83/A 5-7
SW-170, 313-7 23B CH-1 HEADPHONES OUT (G) — CH-1 HEADPHONES IN (G) 5-6 AU-83/A 5-6
AU-87, 879-4 26B CH-1 LINE OUT (X) — CH-1 LINE IN (X) 5-9 AU-83/A 5-9
AU-87, 879-3 25B CH-1 LINE OUT (G) — CH-1 LINE IN (G) 5-8 AU-83/A 5-8
VR-48, 302-3 29B CH-1 METER OUT — CH-1 METER IN 5-10 AU-83/A 5-10
BC-11, 108-18B 18A L:CH-1 DOLBY ON IN — L:CH-1 DOLBY ON OUT 4-10 AU-83/A 4-10


CH-2 H.P.F
*3 IC1 RC2043D-D (2/2)
*3 IC2 RC4560D (1/2)
Q10 2SC2785
Q11 2SC2785
*3 IC2 RC4560D (2/2)
+12V
CH-2 DOLBY PROCESS-1
IC3 BX1469L
LV5:SPECTRAL SKEWING
*4 LV5 20mH
TP4
TP13
TP3
TP12
TP14
+7V
-7V
E1
-12V
LV4:INSERT 20KHz TRAP
RV5:PB FREQ RESPONSE (15KHz)
RV6:PB OUTPUT LEVEL
CH-2 REC AMP
Q19 2SC2878
Q20 2SC2785
Q21 2SC2785
Q22 2SC2785
*2 *3 IC5 RC4558D-D (1/2)
Q23 2SC2785
Q24 2SA1175
Q25 2SC2878
*2 *3 IC5 RC4558D-D(2/2)
Q14 2SA1175
*3 IC6 RC4558D (2/2)
LV202:CH-2 REC EQ ADJ (SP)
LV203:CH-2 REC EQ ADJ (CONV)
DUS-71
RV8:REC LEVEL (SP)
RV9:REC LEVEL (CONV)
RV10:REC FREQ RESPONS (15KHz) (SP)
RV11:REC FREQ RESPONS (15KHz) (CONV)
TP7
E2
E4
OUTPUT AMP
SELECT JUMPER
TP8
E3
T1
RV12:AUDIO LEVEL METER
Q38 DTA144ES
Q39 DTC144ES
IC7 TX-429M
IC8 TX-429M
Q29 2SC2878
Q30 2SA1175
*3 IC6 RC4560D (1/2)
*3 IC6 RC4560D (2/2)
Q31 2SC2785
Q37 DTC144ES
Q36 DTA144ES
H;FAST TAPE SPEED IN | 4-9 | AU-83/A. 4-9
L:CH-2 DOLBY ON IN | 25A | BC-11. 108-25B
H: CH-1 REC IN | 4-7 | AU-83/A. 4-7
L:CH-2 REC IN | 21A | BC-11. 108-21B
H:CH-2 REC OUT | 4-8 | AU-83/A. 4-8
CH-2 CROSS TALK OUT | 4-11 | AU-83/A. 4-11
L:CH-2 BIAS ON IN | 20A | BC-11. 108-19A
CH-2 PILOT TONE IN | 26A | AU-85/A. 109-24B
H:SP IN | 6-4 | AU-83/A. 6-4
CH-2 PB LEVEL (X) | 20B | VR-48. 306-1
CH-2 PB LEVEL (Y) | 19B | VR-48. 306-2
CH-2 PB LEVEL (G) | 18B | VR-48. 306-3
L:CH-2 PB IN | 24A | BC-11. 108-24B
CH-2 LINE OUT (X) | 28B | AU-87. 879-2
CH-2 LINE OUT (G) | 27B | AU-87. 879-1
CH-2 HEADPHONES OUT (X) | 22B | SW-170. 313-6
CH-2 HEADPHONES OUT (G) | 21B | SW-170. 313-7
CH-2 METER OUT | 29A | VR-48. 302-2
L:CH-2 REC/EE IN | 23A | BC-11. 108-23B
L:SP IN | 17A | BC-11. 108-20B
L:SP OUT | 6-3 | AU-83/A. 6-3

* MARK	AU-84 NTSC	AU-84A PAL
R 27	100K	120K
R 28	100K	120K
R 30	100K	120K
R 77	100K	120K
R 78	100K	120K
R 80	100K	120K
R 85	22K	10K
C 55	10u F/16V	15uF/16V
R 29	56K	68K
R 79	56K	68K

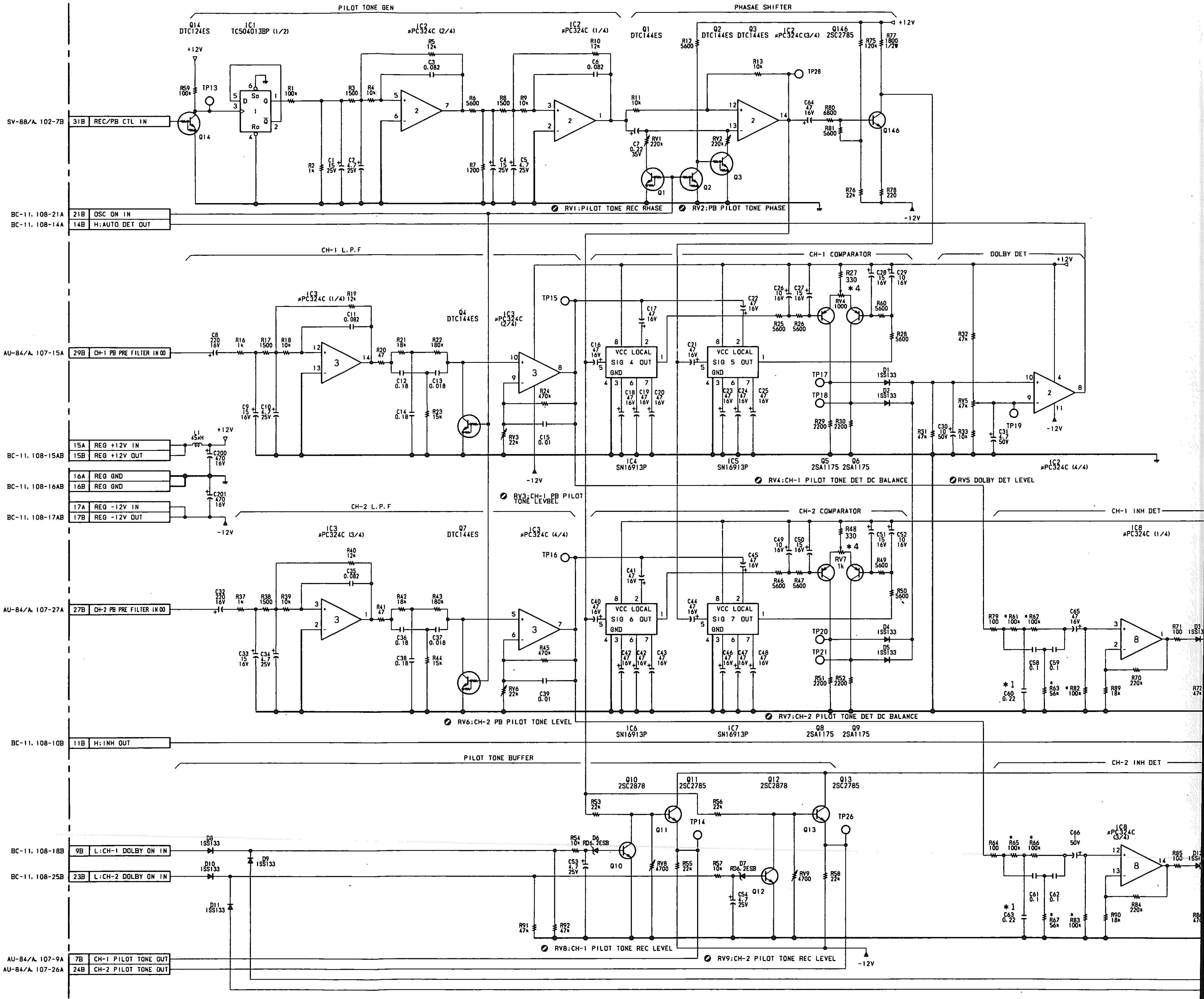
AU-84/A

1-622-701-11,12,13,(6)
BVU-950
BVU-950P

AU-85; DOLBY AUTO DETECTOR, BIAS OSCILLATOR

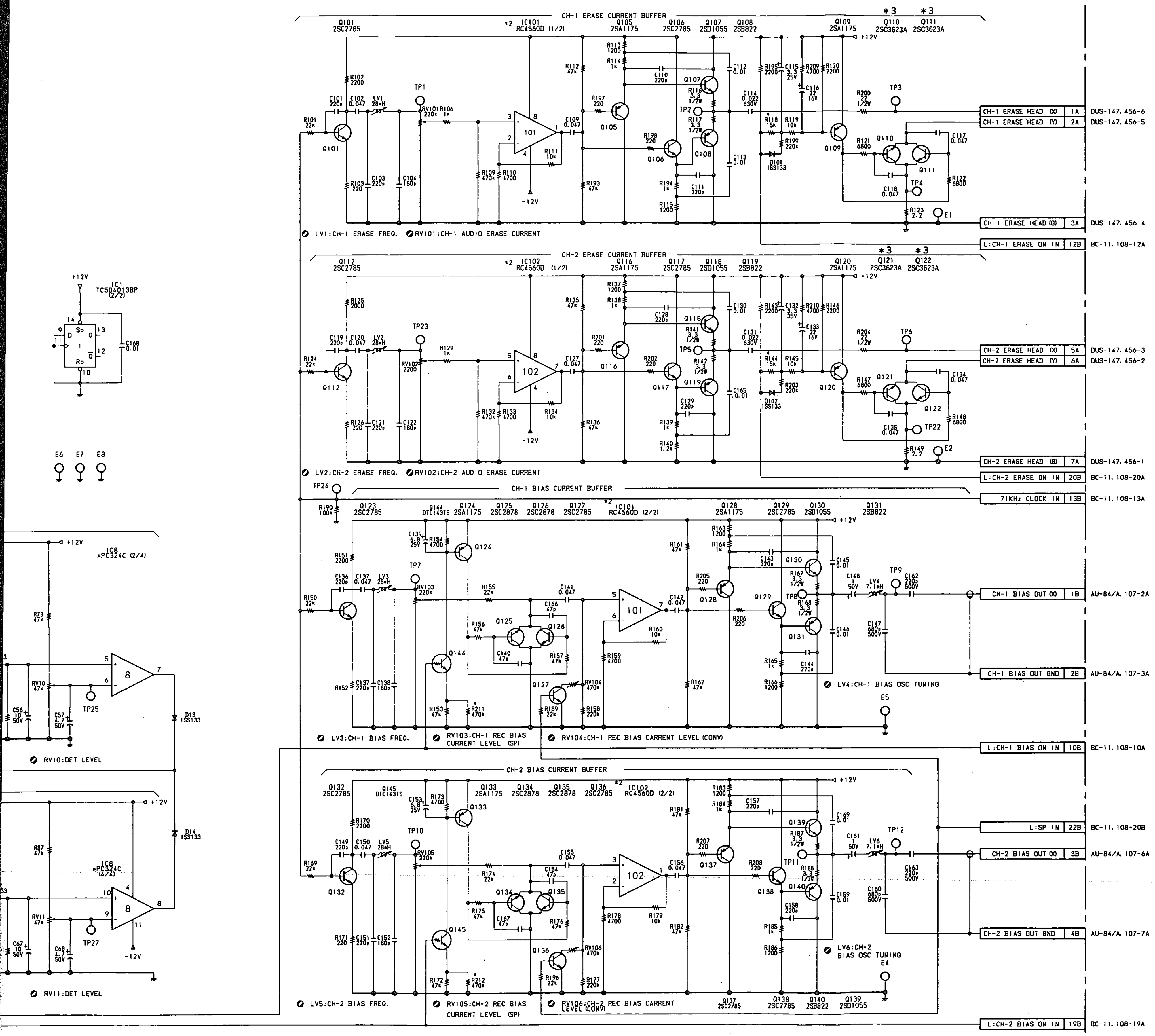
NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
＊1	G-4 G-5	C60 CHANGED 0.022/35V → 0.22 TA → TP C63 CHANGED 0.022/35V → 0.22 TA → TP	J ; 10221- UC; 11681- EK; 11281-
＊2	K-1 K-2	IC101 CHANGED NUM4560D ↓ RC4560D IC102 CHANGED NUM4560D ↓ RC4560D	J ; 11026- UC; 14241- EK; 13681- BR; 10076-
＊3	L-1 L-2	Q110, Q111 CHANGED 2SC2878 ↓ 2SC3623A Q121, Q122 CHANGED 2SC2878 ↓ 2SC3623A	J ; 11596- UC; 16586- EK; 14271-
＊4	G-2 G-3	R27 CHANGED 470 → 330 R48 CHANGED 470 → 330	J ; 11736- UC; 17256- EK; 14536-



1
2
3
4
5

A | B | C | D | E | F | G | H

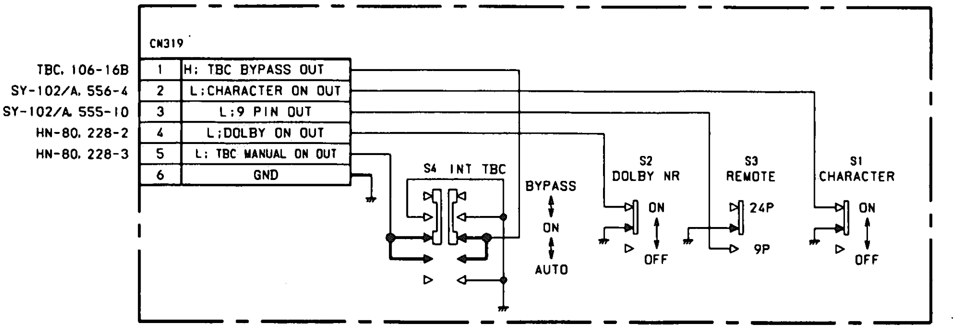

CH-1 ERASE CURRENT BUFFER
CH-2 ERASE CURRENT BUFFER
CH-1 BIAS CURRENT BUFFER
CH-2 BIAS CURRENT BUFFER
*3
*2 IC101 RC4560D (1/2)
*2 IC102 RC4560D (1/2)
*2 IC101 RC4560D (2/2)
*2 IC102 RC4560D (2/2)
IC1 TC5040138P (2/2)
IC8 μPC324C (2/4)
IC8 μPC324C (4/4)
+12V
-12V
CH-1 ERASE HEAD (X) 1A DUS-147. 456-6
CH-1 ERASE HEAD (Y) 2A DUS-147. 456-5
CH-1 ERASE HEAD (G) 3A DUS-147. 456-4
L:CH-1 ERASE ON IN 12B BC-11. 108-12A
CH-2 ERASE HEAD (X) 5A DUS-147. 456-3
CH-2 ERASE HEAD (Y) 6A DUS-147. 456-2
CH-2 ERASE HEAD (G) 7A DUS-147. 456-1
L:CH-2 ERASE ON IN 20B BC-11. 108-20A
71KHz CLOCK IN 13B BC-11. 108-13A
CH-1 BIAS OUT (X) 1B AU-84/A. 107-2A
CH-1 BIAS OUT GND 2B AU-84/A. 107-3A
L:CH-1 BIAS ON IN 10B BC-11. 108-10A
L:SP IN 22B BC-11. 108-20B
CH-2 BIAS OUT (X) 3B AU-84/A. 107-6A
CH-2 BIAS OUT GND 4B AU-84/A. 107-7A
L:CH-2 BIAS ON IN 19B BC-11. 108-19A
LV1:CH-1 ERASE FREQ.
RV101:CH-1 AUDIO ERASE CURRENT
LV2:CH-2 ERASE FREQ.
RV102:CH-2 AUDIO ERASE CURRENT
LV3:CH-1 BIAS FREQ.
RV103:CH-1 REC BIAS CURRENT LEVEL (SP)
RV104:CH-1 REC BIAS CARRENT LEVEL (CONV)
LV4:CH-1 BIAS OSC TUNING
LV5:CH-2 BIAS FREQ.
RV105:CH-2 REC BIAS CURRENT LEVEL (SP)
RV106:CH-2 REC BIAS CARRENT LEVEL (CONV)
LV6:CH-2 BIAS OSC TUNING
RV10:DET LEVEL
RV11:DET LEVEL
E1
E2
E4
E5
E6
E7
E8
TP1
TP3
TP6
TP7
TP9
TP10
TP12
TP23
TP24
TP25
TP27

* MARK	AU-85 NTSC	AU-85A PAL
R61	100K	120K
R62	100K	120K
R65	100K	120K
R66	100K	120K
R118	15K	12K
R144	15K	12K
R211	470K	——
R212	470K	——
R63	56K	68K
R67	56K	68K
R83	100K	120K
R82	100K	120K

AU-85/A

1-622-702-11, 12, 13, 14(7)
BVU-950
BVU-950P

SW-171; SELECT SWITCH

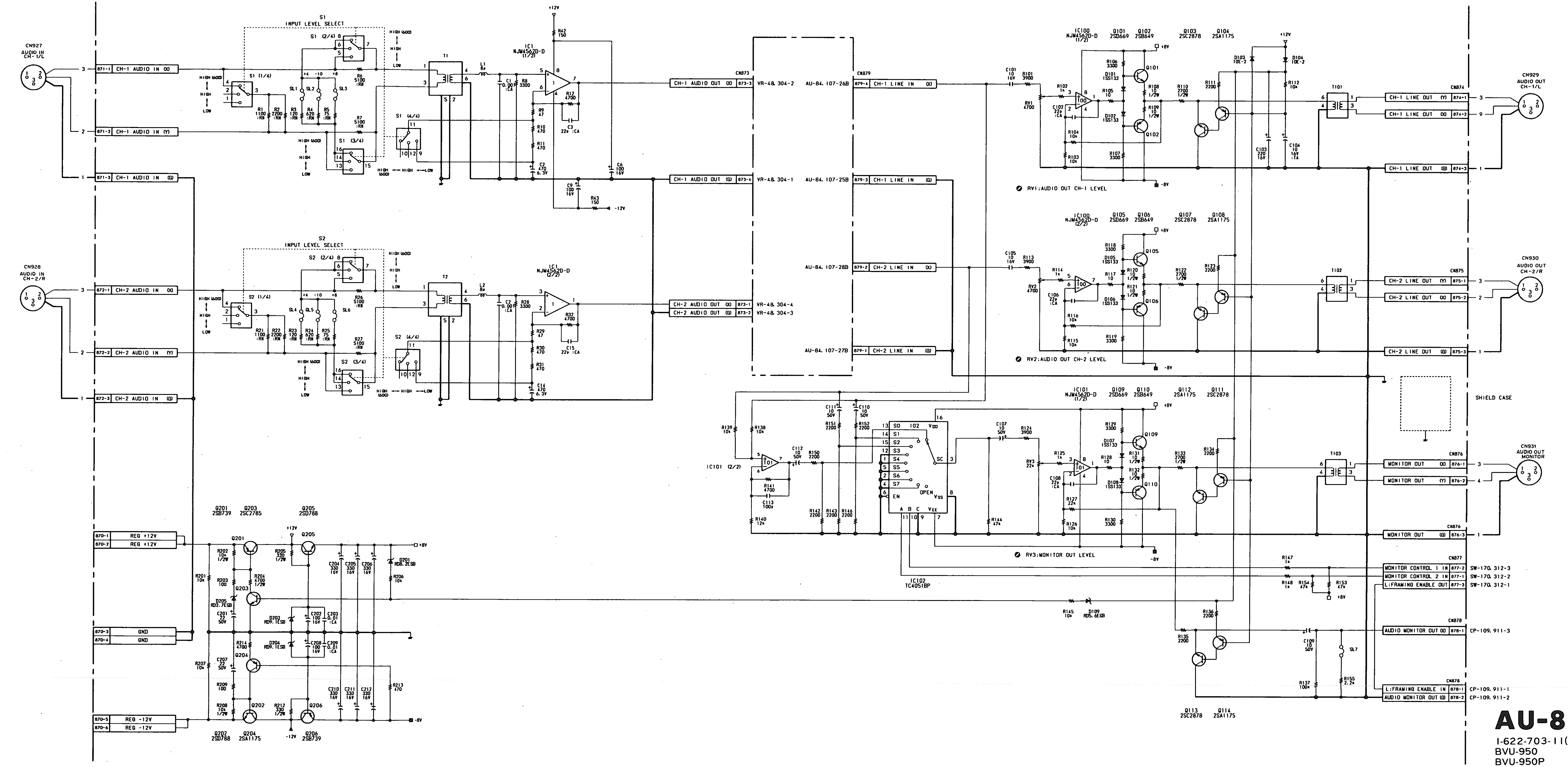


SW-171

1-622-738-11, 12(2)
BVU-950
BVU-950P

AU-87; MIC/OUTPUT/MONITOR AMPLIFIER

S/N UP TO 10120(J)
S/N UP TO 11180(UC)

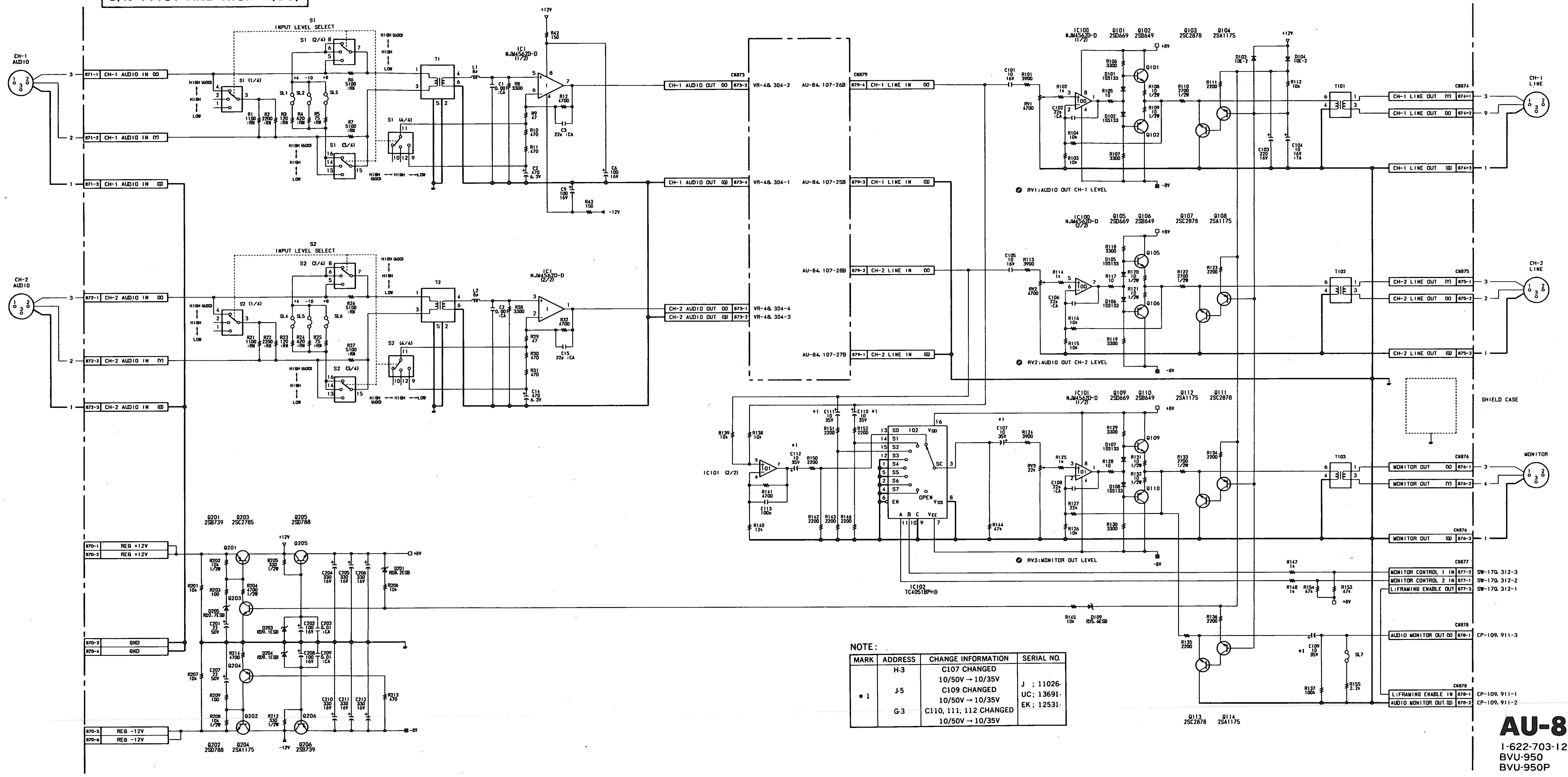


AU-87

1-622-703-11(2)
BVU-950
BVU-950P

AU-87; MIC/OUTPUT/MONITOR AMPLIFIER

S/N 10121 AND HIGHER(J)
S/N 11181 AND HIGHER(UC)

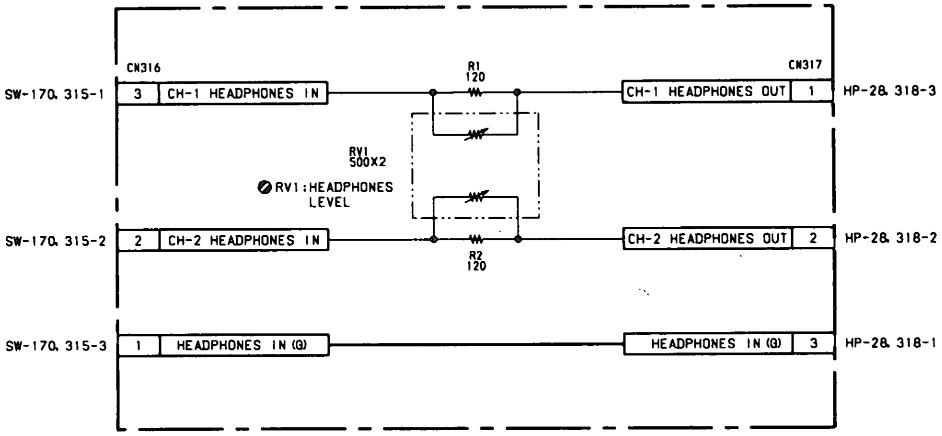


NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
* 1	H-3	C107 CHANGED 10/50V → 10/35V	J ; 11026- UC; 13691- EK ; 12531-
	J-5	C109 CHANGED 10/50V → 10/35V	
	G-3	C110, 111, 112 CHANGED 10/50V → 10/35V	

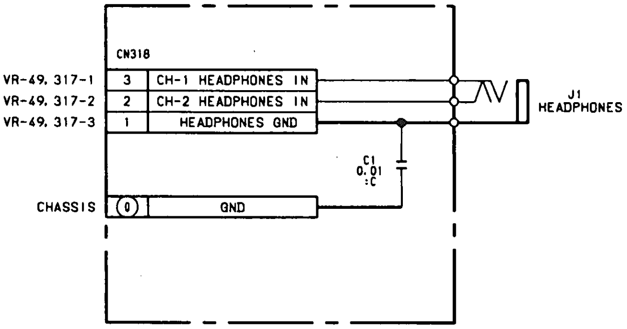
AU-87
1-622-703-12, 13, 14(1)
BVU-950
BVU-950P

HP-28; HEADPHONES
VR-49; HEADPHONES LEVEL CONTROL



VR-49

1-622-731-11(1)
BVU-950
BVU-950P

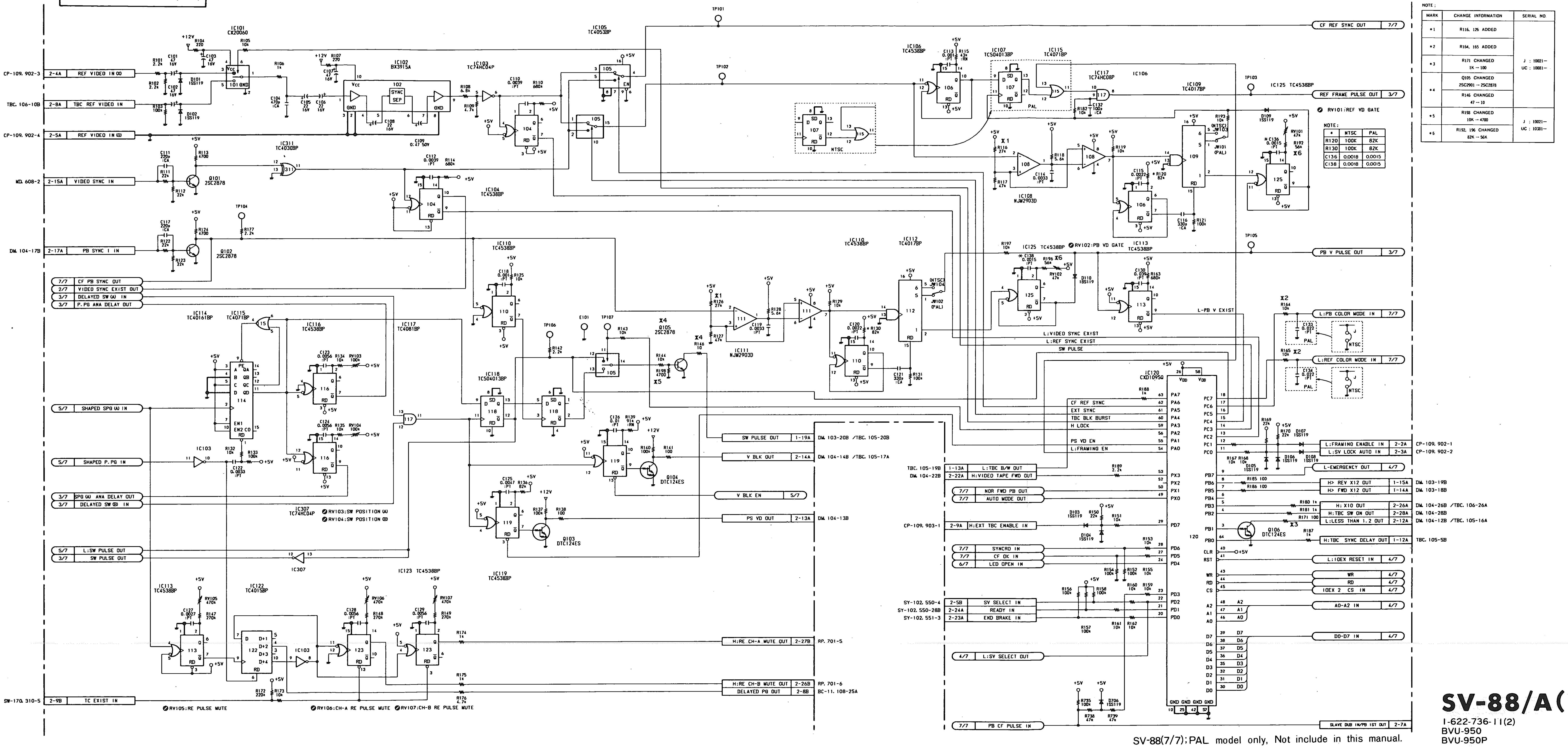


HP-28

1-622-730-11(2)
BVU-950
BVU-950P

SV-88(1/7); SYNC SEPARATOR

S/N UP TO 10120(J)
S/N UP TO 11180(UC)



NOTE :

MARK	CHANGE INFORMATION	SERIAL NO.
*1	R116, 126 ADDED	J : 10021— UC : 10081—
*2	R164, 165 ADDED	
*3	R171 CHANGED 1K → 100	
*4	Q105 CHANGED 2SC2901 → 2SC2878 R146 CHANGED 47 → 10	
*5	R198 CHANGED 10K → 4700	J : 10021— UC : 10381—
*6	R192, 196 CHANGED 82K → 56K	

NOTE:

*	NTSC	PAL
R120	100K	82K
R130	100K	82K
C136	0.0018	0.0015
C138	0.0018	0.0015

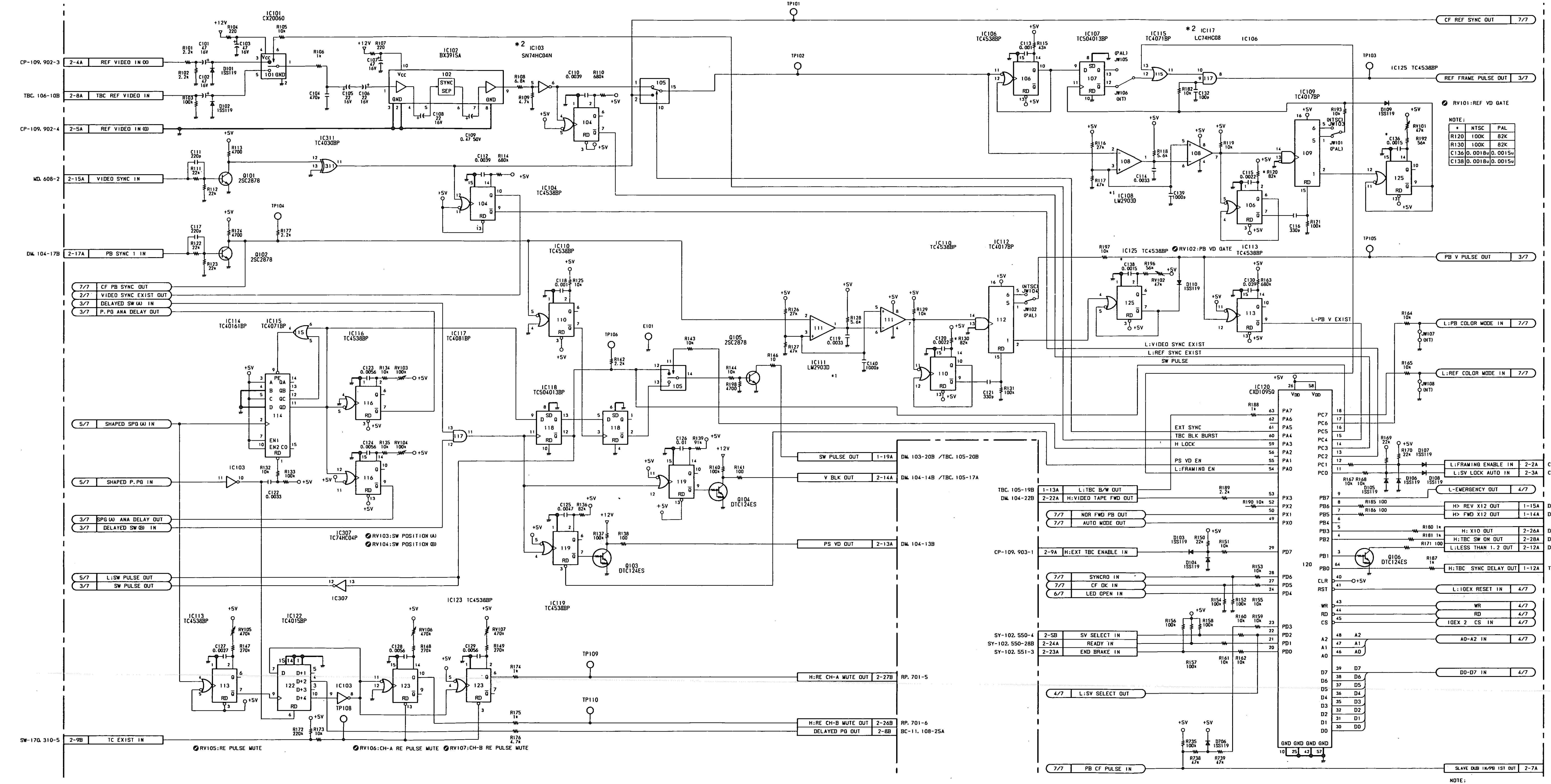
SV-88(7/7);PAL model only, Not include in this manual.

SV-88/A(1/7)

1-622-736-11(2)
BVU-950
BVU-950P

SV-88(1/7); SYNC SEPARATOR

S/N 10121 TO 11375(J)
S/N 11181 TO 15640(UC)



NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
*1	IC108, 111 CHANGED NJM2903D ↓ LM2903D	J ; 11026- UC; 14241- EK; 13681- BR; 10076-
*2	IC103 CHANGED TC74HC04P ↓ SN74HC04N IC117 CHANGED TC74HC08P ↓ LC74HC08	J ; 11326- UC; 15291- EK; 13731- BR; 10076-

NOTE:
JW → 22Ω, 1/6W
(1-249-385-11)

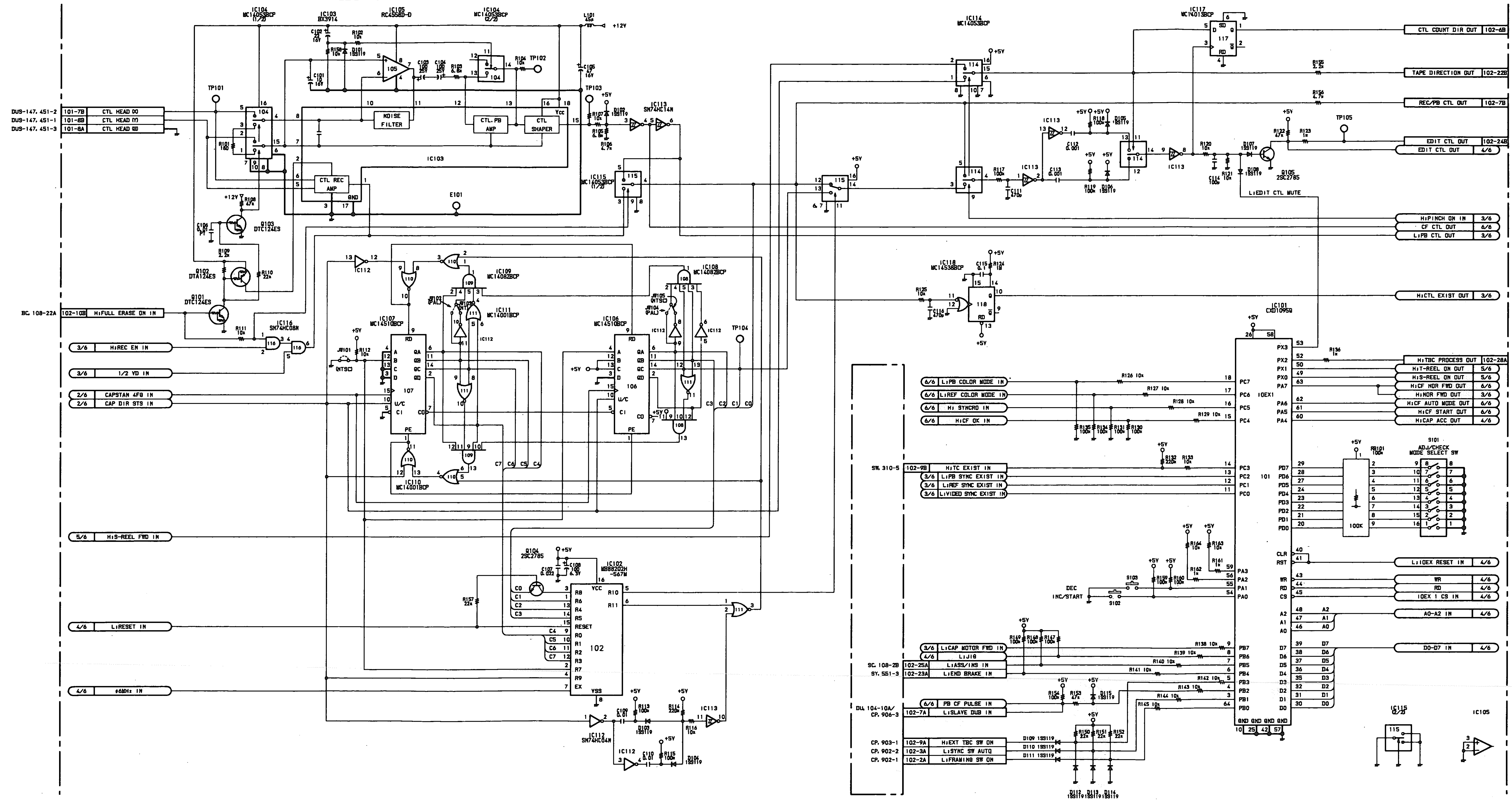
SV-88(7/7); PAL model only, Not include in this manual.

SV-88/A(1/7)

1-622-736-12,22(3)
BVU-950
BVU-950P

SV-113B/113F (1/5); CTL REC/PB AMPLIFIER

S/N 11376 AND HIGHER (J)
S/N 15641 AND HIGHER (UC)
S/N 10096 AND HIGHER (BRZ)



NOTE;

	NTSC	PAL
JW101	○	—
JW102	—	○
JW103	○	—
JW104	—	○
JW105	○	—
R130	100K	—
R131	100K	—
R135	100K	—

LAST REF

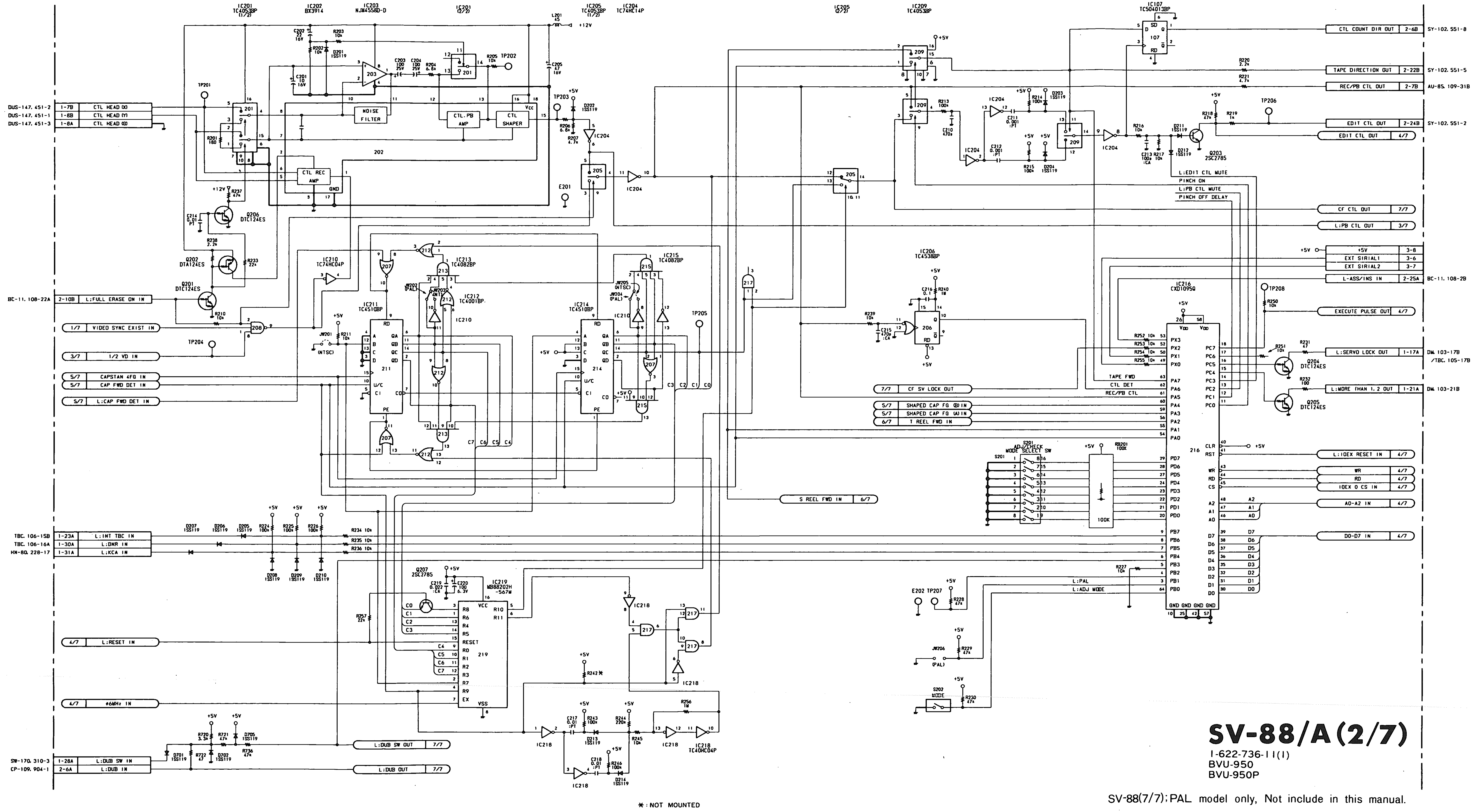
R173
C119
D117
Q105
L101
S103
RB101
IC118
JW105
TP105

SV-113B/113F(1/5)

1-629-414-32(1)
BVU-950
BVU-950PM

SV-88(2/7); CTL REC/PB AMPLIFIER

S/N UP TO 10120(J)
S/N UP TO 11180(UC)



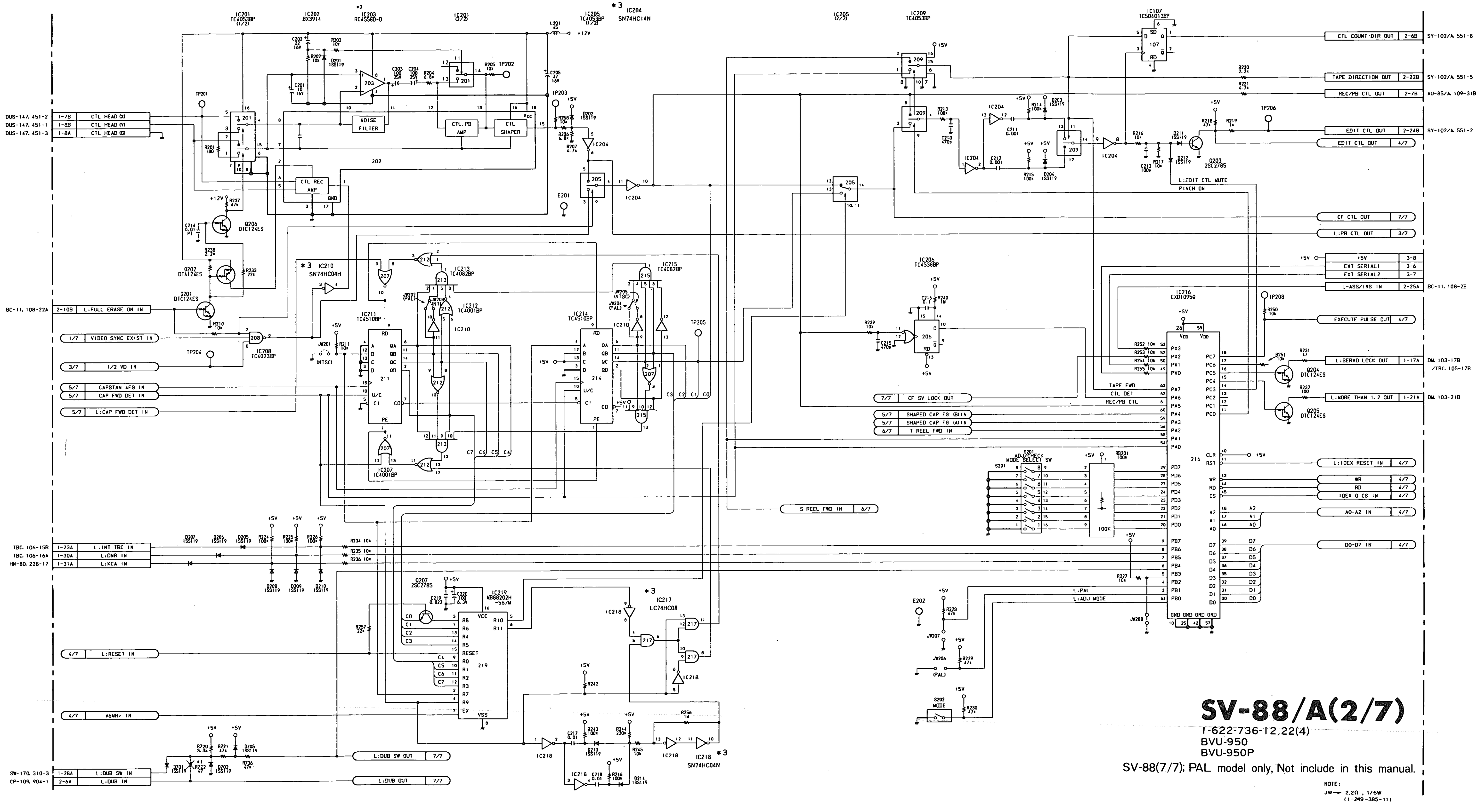
*: NOT MOUNTED

SV-88/A(2/7)
1-622-736-11(1)
BVU-950
BVU-950P

SV-88(7/7); PAL model only, Not include in this manual.

SV-88(2/7); CTL REC/PB AMPLIFIER

S/N 10121 TO 11375(J)
S/N 11181 TO 15640(UC)



NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
＊1	R722 DELETED	J ; 10486- UC ; 13191-
＊2	IC203 CHANGED NJM4558D-D ↓ RC4558D-D	J ; 11026- UC ; 14241- EK ; 13681- BR ; 10076-
＊3	IC204 CHANGED TC74HC14P ↓ SN74HC14N IC210, 218 CHANGED TC74HC04P ↓ SN74HC04N IC217 CHANGED TC74HC08P ↓ LC74HC08	J ; 11326- UC ; 15291- EK ; 13731- BR ; 10076-

SV-88/A(2/7)

1-622-736-12,22(4)
BVU-950
BVU-950P

SV-88(7/7); PAL model only, Not include in this manual.

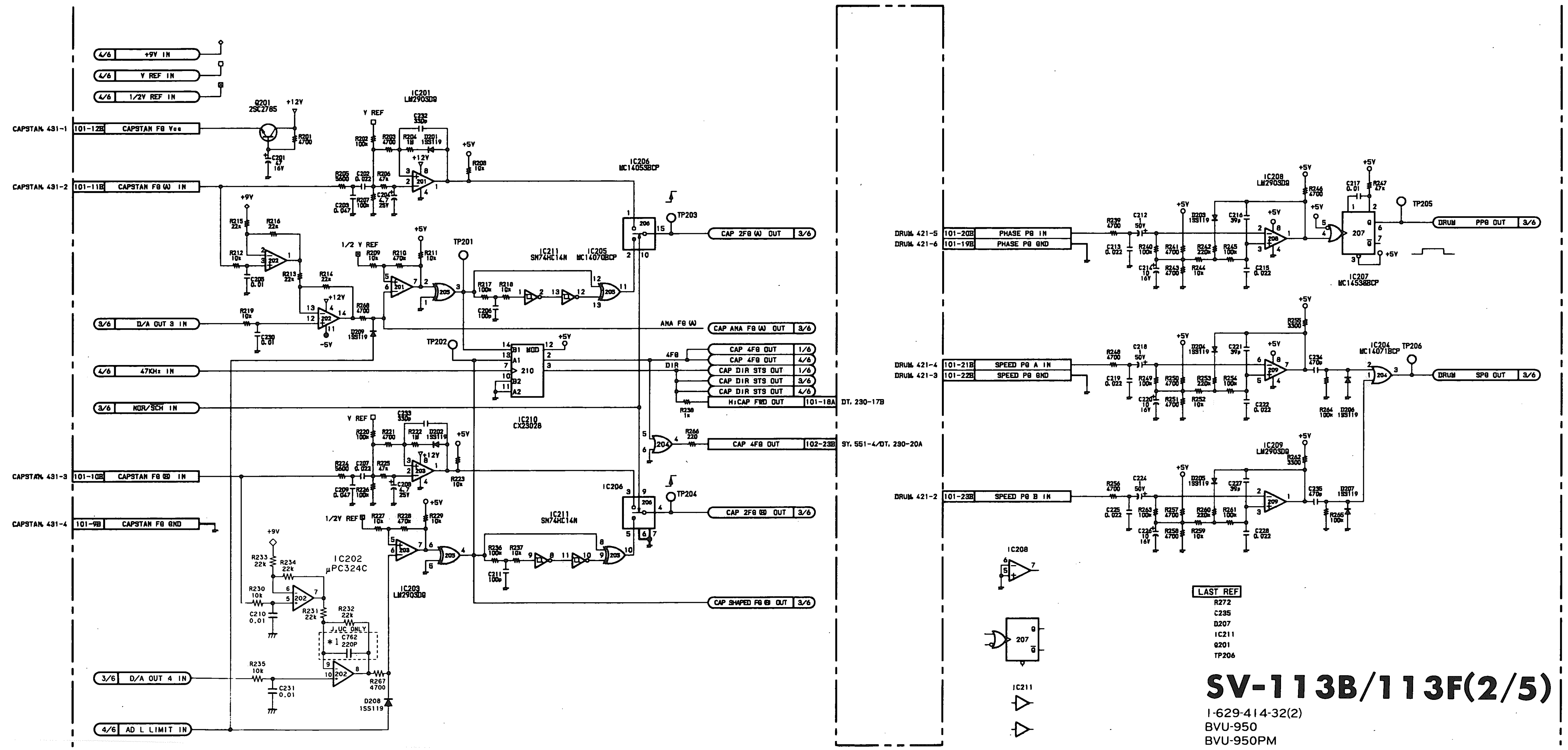
NOTE:
JW→ 2.2Ω , 1/6W
(1-249-385-11)

SV-113B/113F (2/5); DRUM/CAPSTAN PG/FG

S/N 11376 AND HIGHER (J)
S/N 15641 AND HIGHER (UC)
S/N 10096 AND HIGHER (BRZ)

NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
＊1	D-4	C762 ADDED 220PF	J ;11496- UC;16326-



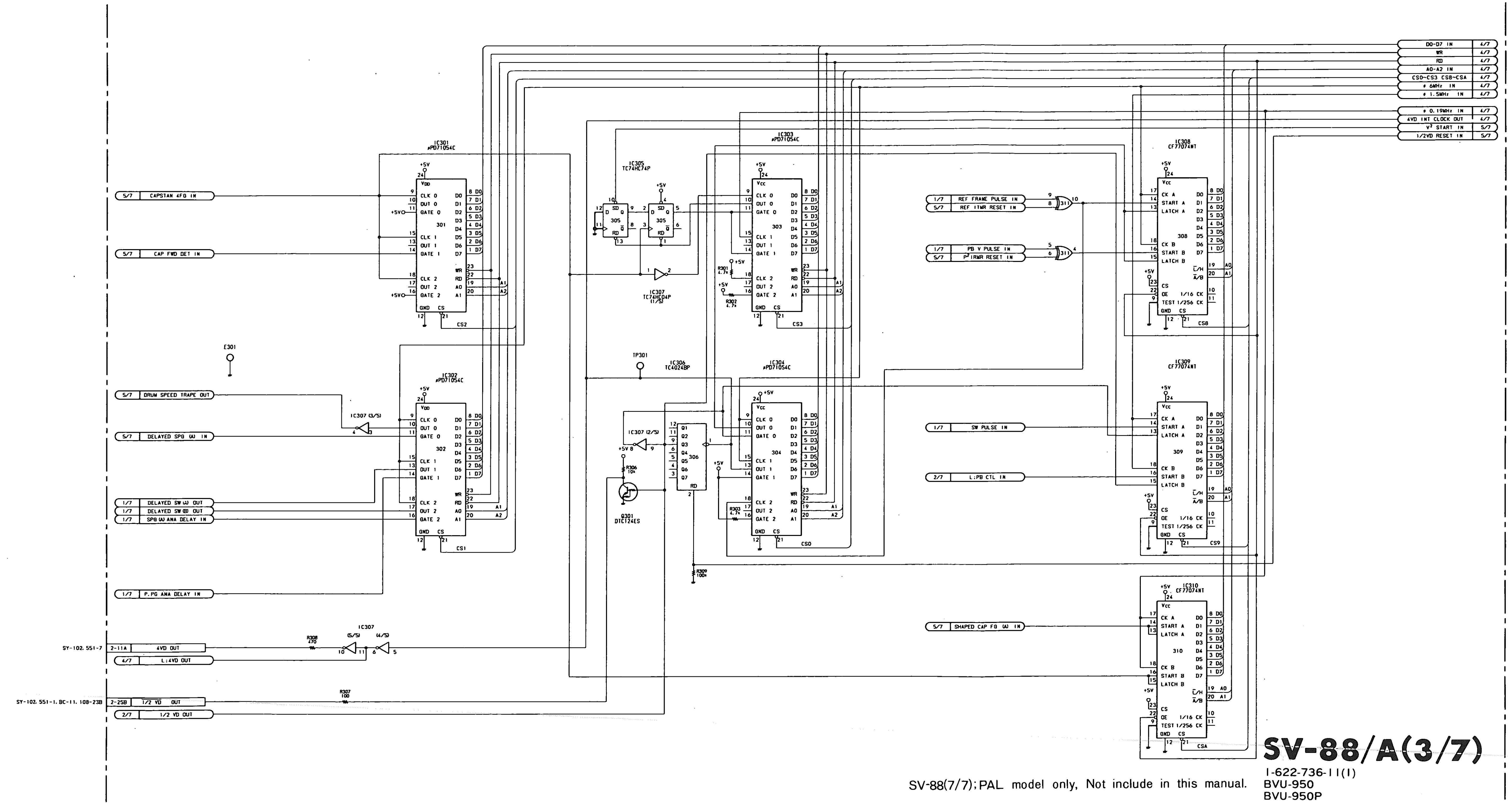
LAST REF
R272
C235
D207
IC211
Q201
TP206

SV-113B/113F(2/5)

1-629-414-32(2)
BVU-950
BVU-950PM

SV-88(3/7); SERVO TIMER/CLOCK COUNTER

S/N UP TO 10120(J)
S/N UP TO 11180(UC)



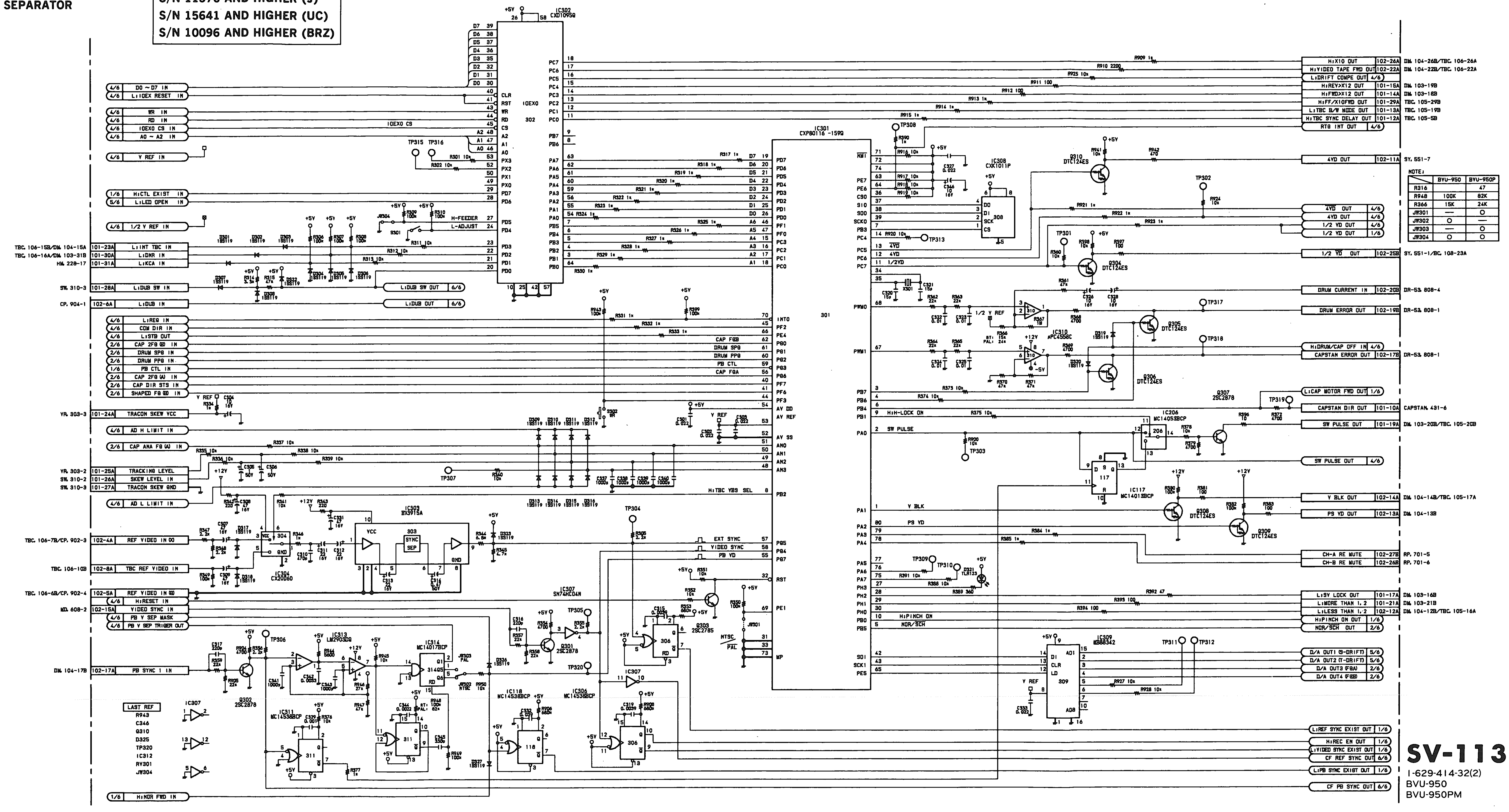
SV-88/A(3/7)

1-622-736-11(1)
BVU-950
BVU-950P

SV-88(7/7);PAL model only, Not include in this manual.

SV-113B/113F (3/5); DRUM/CAPSTAN PWM SERVO SYNC SEPARATOR

S/N 11376 AND HIGHER (J)
S/N 15641 AND HIGHER (UC)
S/N 10096 AND HIGHER (BRZ)

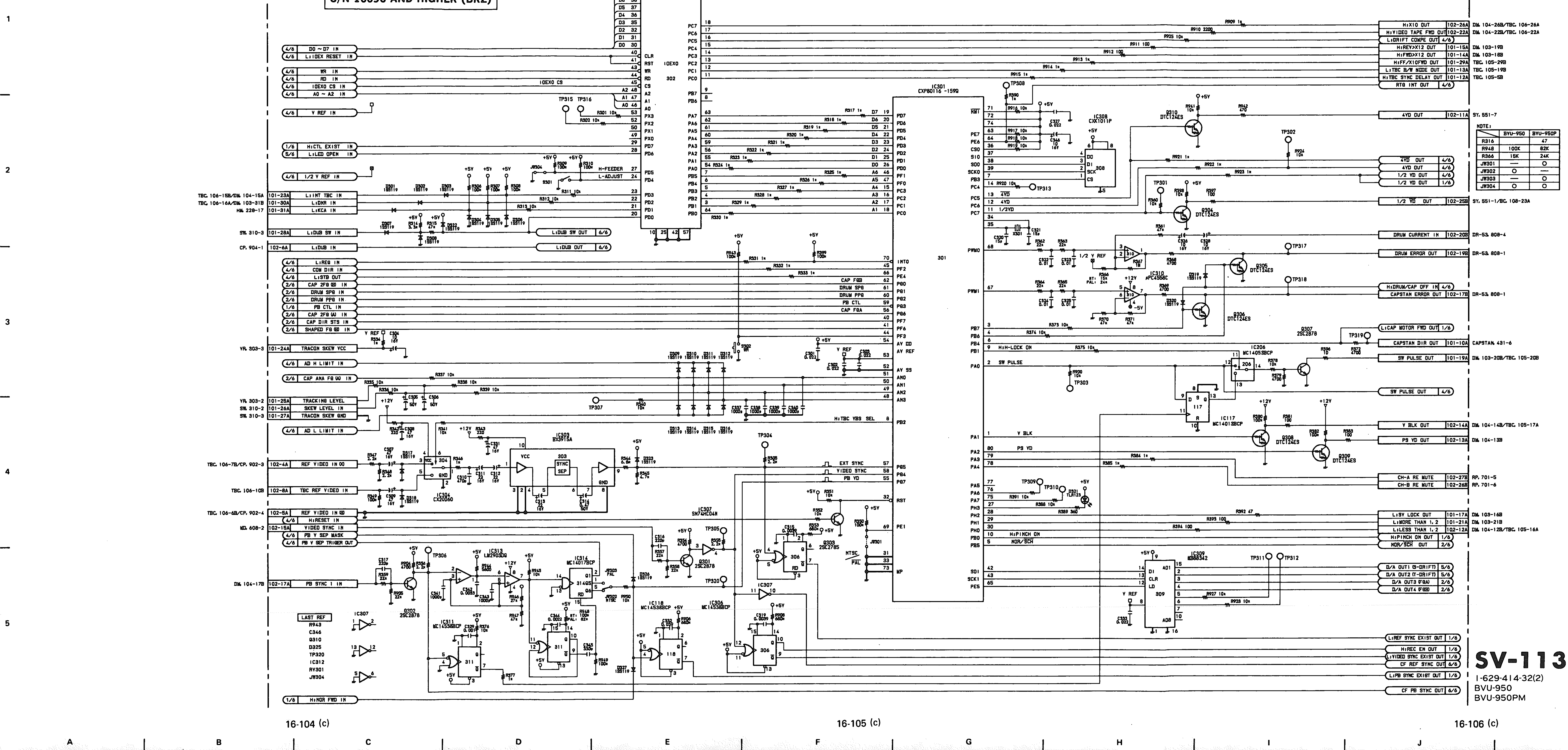


SV-113B/113F(3/5)

1-629-414-32(2)
BVU-950
BVU-950PM

SV-113B/113F (3/5); DRUM/CAPSTAN PWM SERVO SYNC SEPARATOR

S/N 11376 AND HIGHER (J)
S/N 15641 AND HIGHER (UC)
S/N 10096 AND HIGHER (BRZ)



NOTE;

	BVU-950	BVU-950P
R316		47
R948	100K	82K
R366	15K	24K
JW301	—	○
JW302	○	—
JW303	—	○
JW304	○	○

SV-113B/113F(3/5)

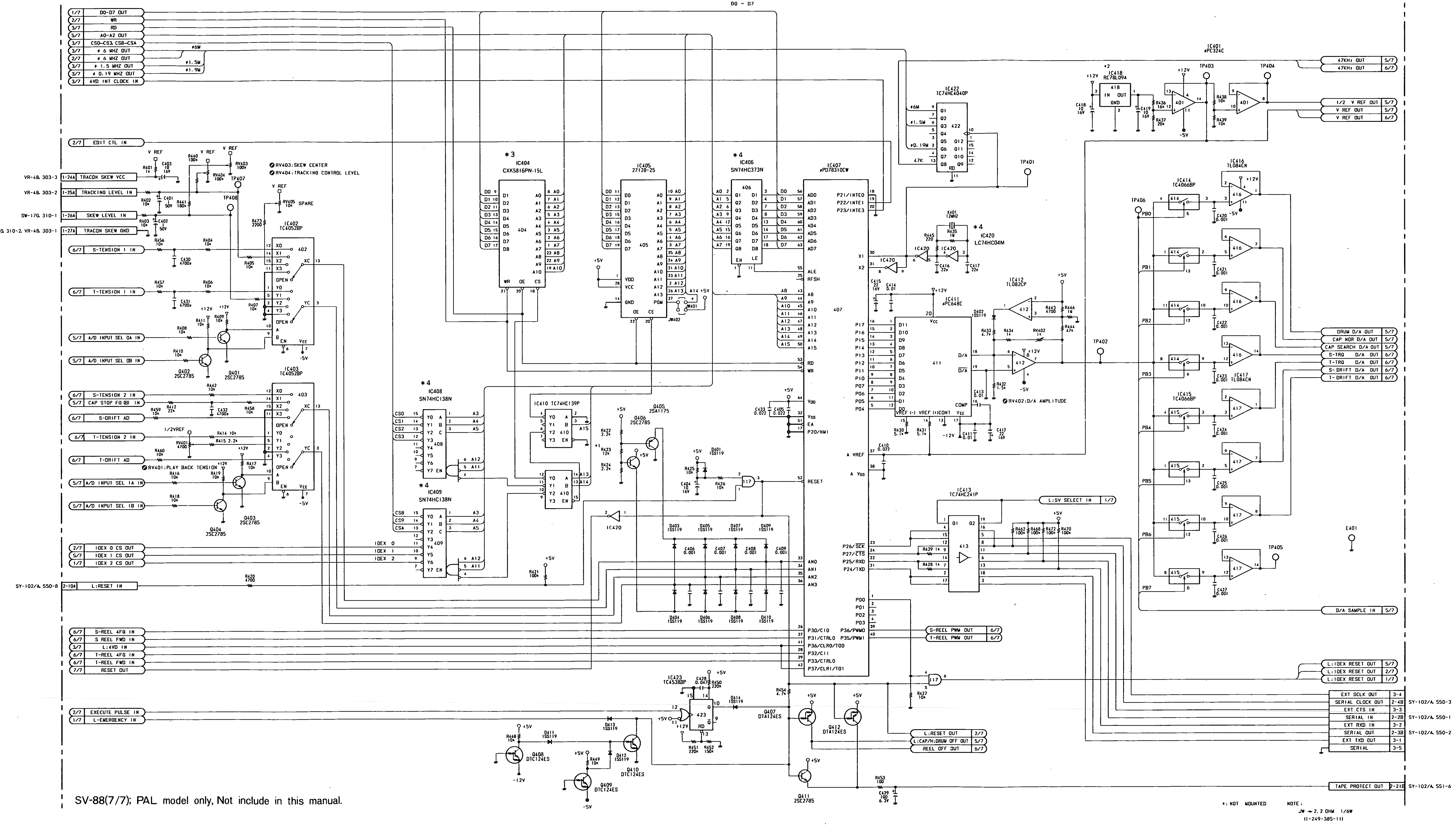
1-629-414-32(2)
BVU-950
BVU-950PM

SV-88(4/7); DRUM/CAPSTAN DATA CONTROL

S/N 10121 TO 11375(J)
S/N 11181 TO 15640(UC)

NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
∗1	R423 CHANGED 22K → 12K	J ; 10261- UC ; 12591- EK ; 11881-
∗2	IC418 CHANGED NJM78L09A ↓ RC78L09A	J ; 11026- UC ; 14241- EK ; 13681- BR ; 10076-
∗3	IC404 CHANGED CXK5816PN-15 ↓ CXK5816PN-15L	J ; 11276- UC ; 15291- EK ; 13731- BR ; 10076-
∗4	IC406 CHANGED TC74HC373P ↓ SN74HC373N IC408, 409 CHANGED TC74HC138P ↓ SN74HC138N IC420 CHANGED TC74HCU04P ↓ LC74HC04M	J ; 11326- UC ; 15291- EK ; 13731- BR ; 10076-



SV-88(7/7); PAL model only, Not include in this manual.

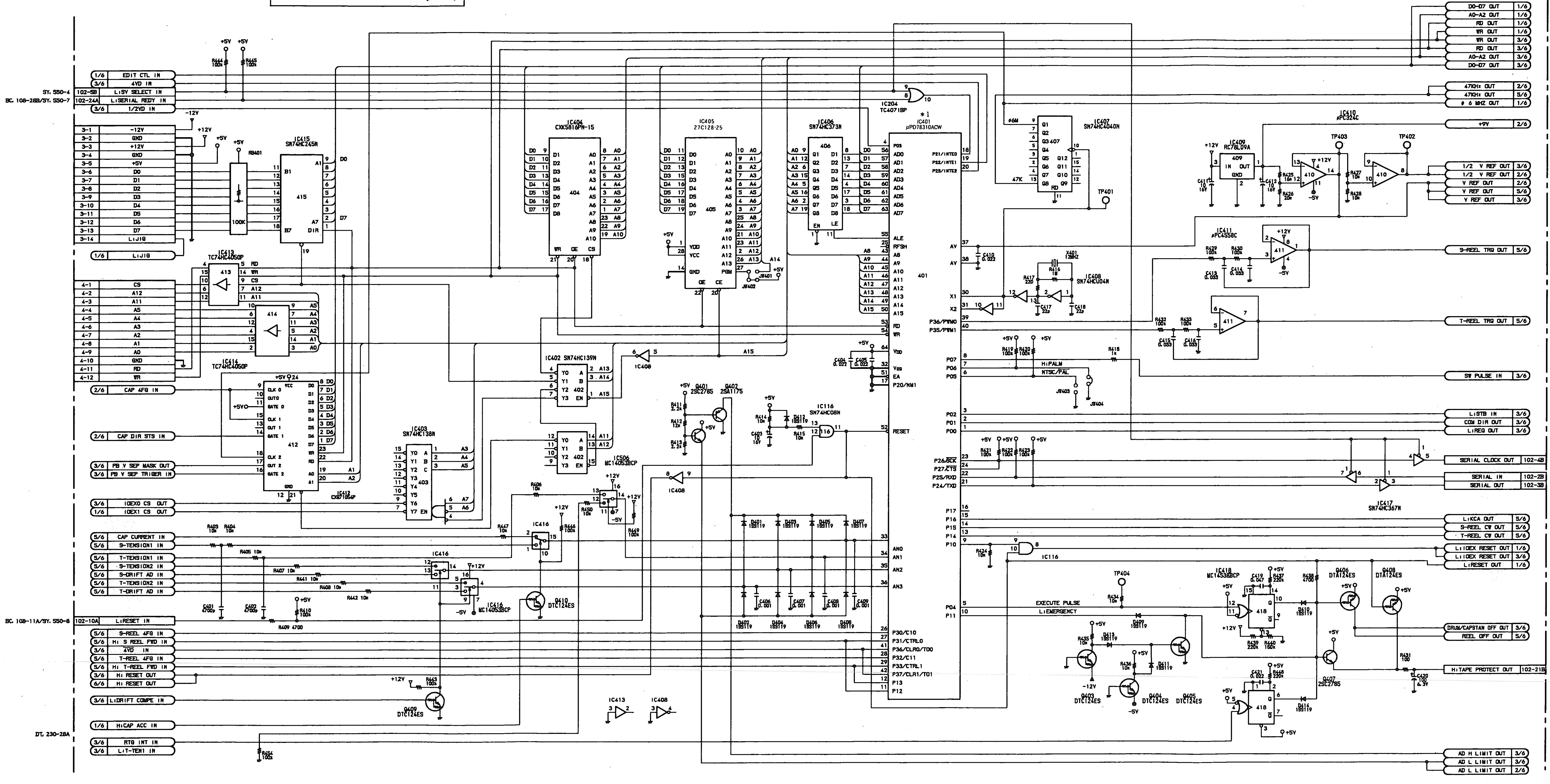
∗: NOT MOUNTED

NOTE:
JW → 2.2 OHM 1/6W
(1-249-385-11)

SV-88/A(4/7)
1-622-736-12,22(4)
BVU-950
BVU-950P

SV-113B/113F (4/5); DRUM/CAPSTAN DATA CONTROL

S/N 11376 AND HIGHER (J)
S/N 15641 AND HIGHER (UC)
S/N 10096 AND HIGHER (BRZ)



NOTE:

	BVU-950	BVU-950P	BVU-950PM
JW403	—	○	—
JW404	○	○	—

NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
* 1	G-2	IC401 CHANGED µPD78310CW ↓ µPD78310ACW	J ; 11736- UC; 17256- BR; 10141-

LAST REF
R452
C421
D416
Q411
TP404
IC418
JW405

SV-113B/113F(4/5)

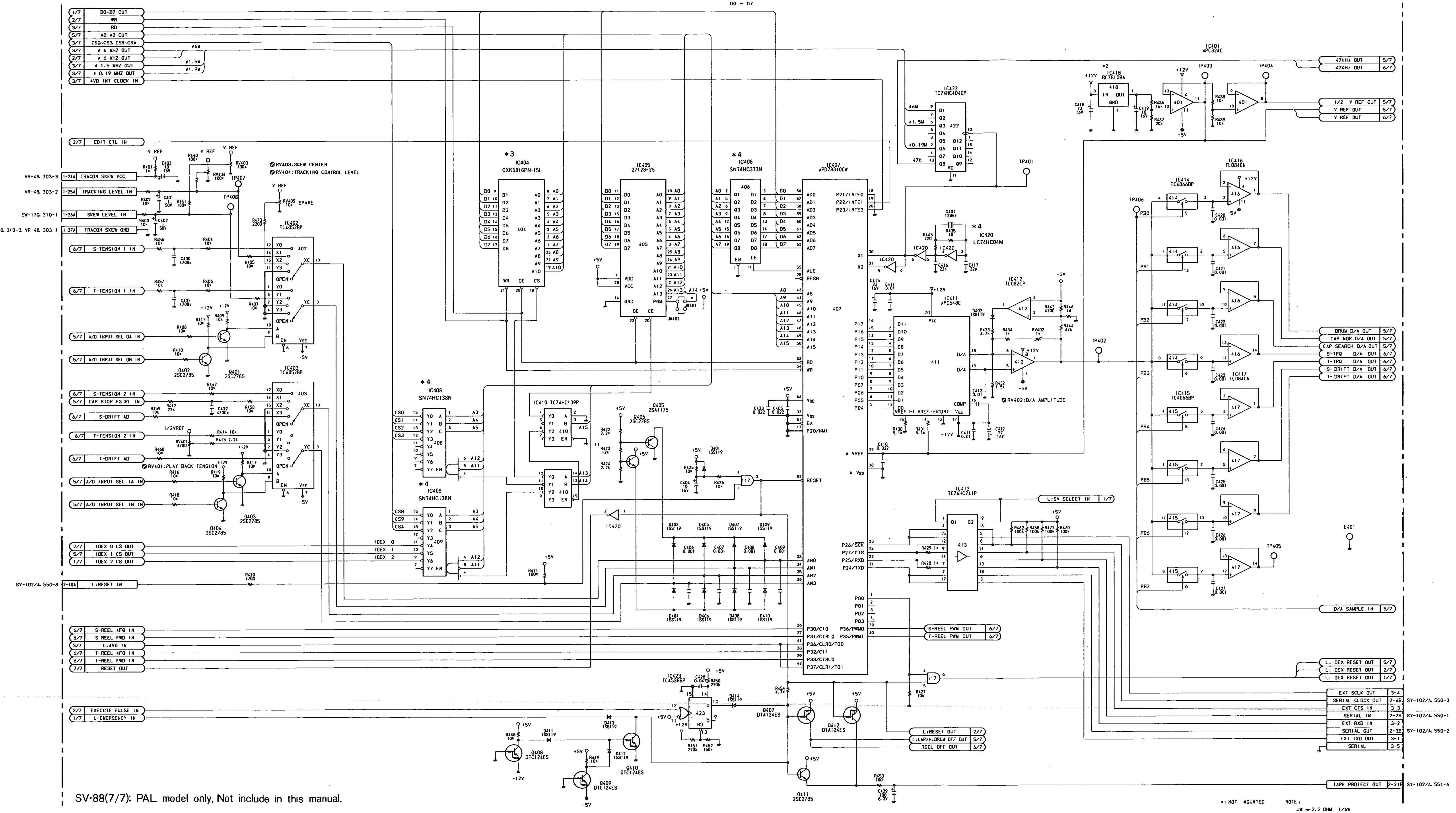
1-629-414-32(2)
BVU-950
BVU-950PM

SV-88(4/7); DRUM/CAPSTAN DATA CONTROL

S/N 10121 TO 11375(J)
S/N 11181 TO 15640(UC)

NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
＊1	R423 CHANGED 22K → 12K	J ; 10261- UC; 12591- EK; 11881-
＊2	IC418 CHANGED NJM78L09A ↓ RC78L09A	J ; 11026- UC; 14241- EK; 13681- BR; 10076-
＊3	IC404 CHANGED CXK5816PN-15 ↓ CXK5816PN-15L	J ; 11276- UC; 15291- EK; 13731- BR; 10076-
＊4	IC406 CHANGED TC74HC373P ↓ SN74HC373N IC408, 409 CHANGED TC74HC138P ↓ SN74HC138N IC420 CHANGED TC74HCU04P ↓ LC74HC04M	J ; 11326- UC; 15291- EK; 13731- BR; 10076-



SV-88(7/7); PAL model only, Not include in this manual.

＊: NOT MOUNTED

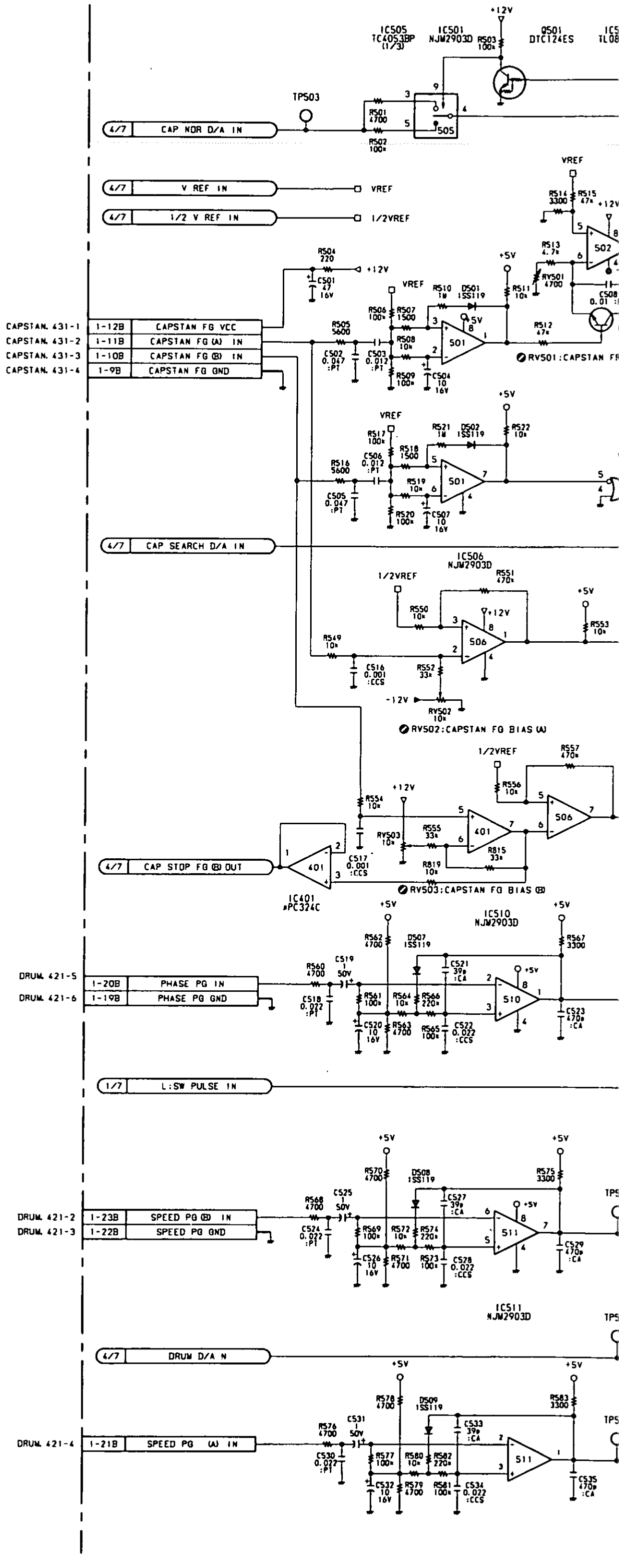
NOTE:
JW → 2.2 OHM 1/6W
(1-249-385-11)

SV-88/A(4/7)

1-622-736-12,22(4)
BVU-950
BVU-950P

SV-88(5/7); DRUM/CAPSTAN PWM SERVO

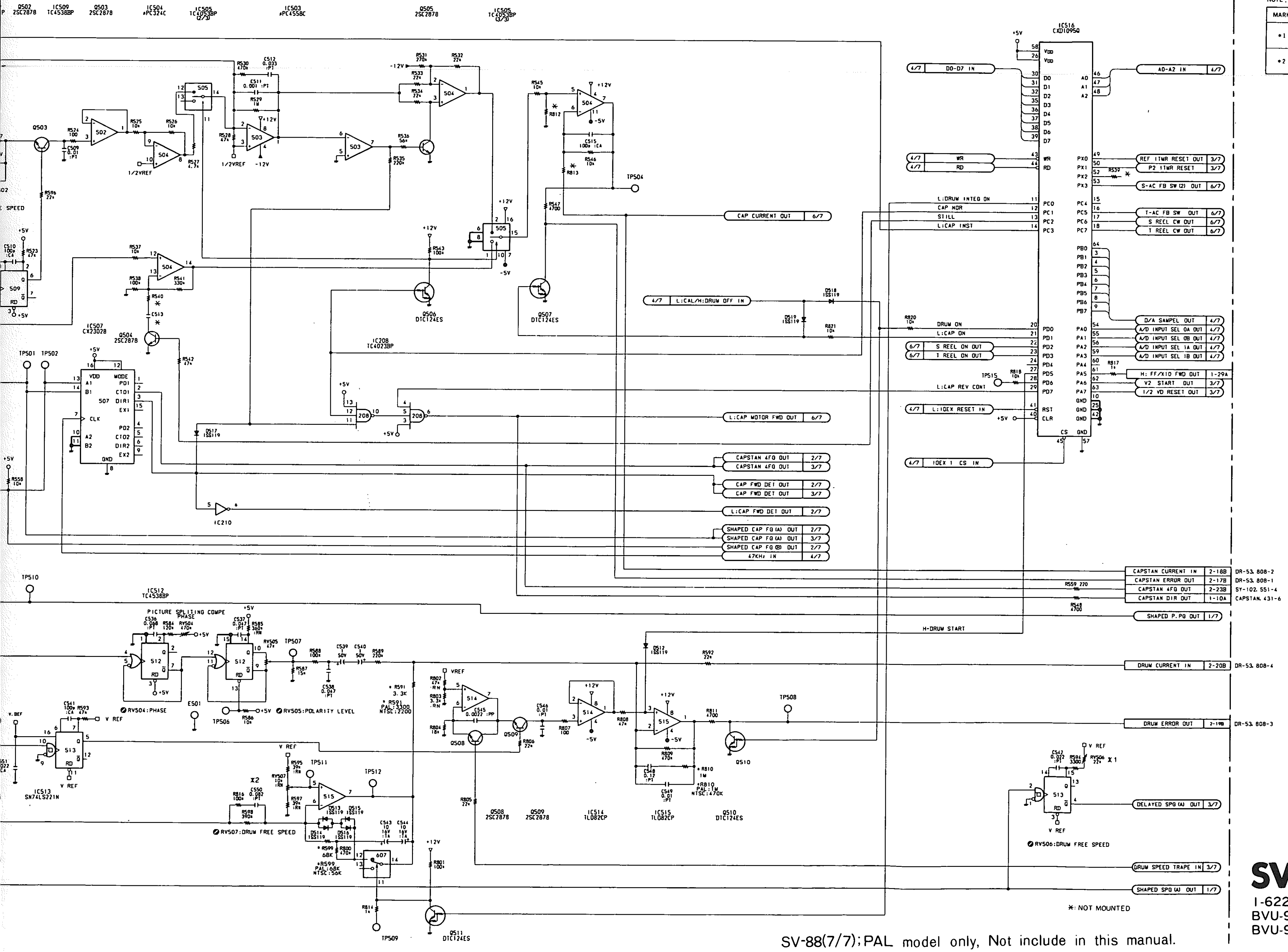
S/N UP TO 10120(J)
S/N UP TO 11180(UC)



IC505 TC4053BP (1/3)
IC501 NJM2903D
+12V
Q501 DTC124ES
TP503
4/7 CAP NOR D/A IN
4/7 V REF IN
4/7 1/2 V REF IN
VREF
1/2VREF
CAPSTAN 431-1 1-12B CAPSTAN FG VCC
CAPSTAN 431-2 1-11B CAPSTAN FG (+) IN
CAPSTAN 431-3 1-10B CAPSTAN FG (-) IN
CAPSTAN 431-4 1-9B CAPSTAN FG GND
RV501:CAPSTAN FF
4/7 CAP SEARCH D/A IN
IC506 NJM2903D
RV502:CAPSTAN FG BIAS (+)
4/7 CAP STOP FG (-) OUT
IC401 µPC324C
RV503:CAPSTAN FG BIAS (-)
IC510 NJM2903D
DRUM 421-5 1-20B PHASE PG IN
DRUM 421-6 1-19B PHASE PG GND
1/7 L:SW PULSE IN
DRUM 421-2 1-23B SPEED PG (-) IN
DRUM 421-3 1-22B SPEED PG GND
IC511 NJM2903D
4/7 DRUM D/A N
DRUM 421-4 1-21B SPEED PG (+) IN

NOTE :

MARK	CHANGE INFORMATION	SERIAL NO.
*1	RV506 CHANGED 10K → 22K	J : 10021— UC : 10081—
*2	C550 CHANGED 0.022 → 0.082	



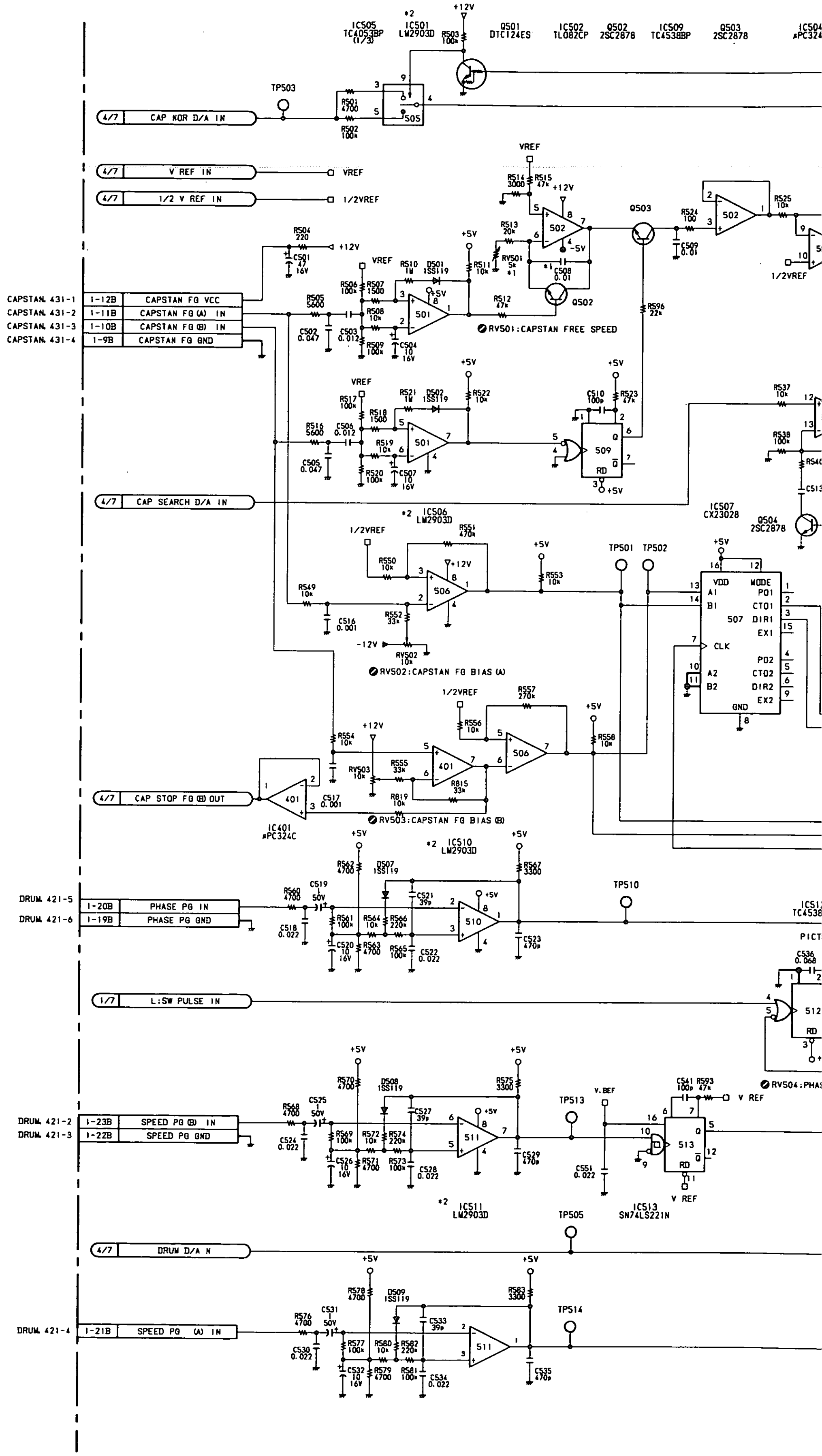
SV-88(7/7);PAL model only, Not include in this manual.

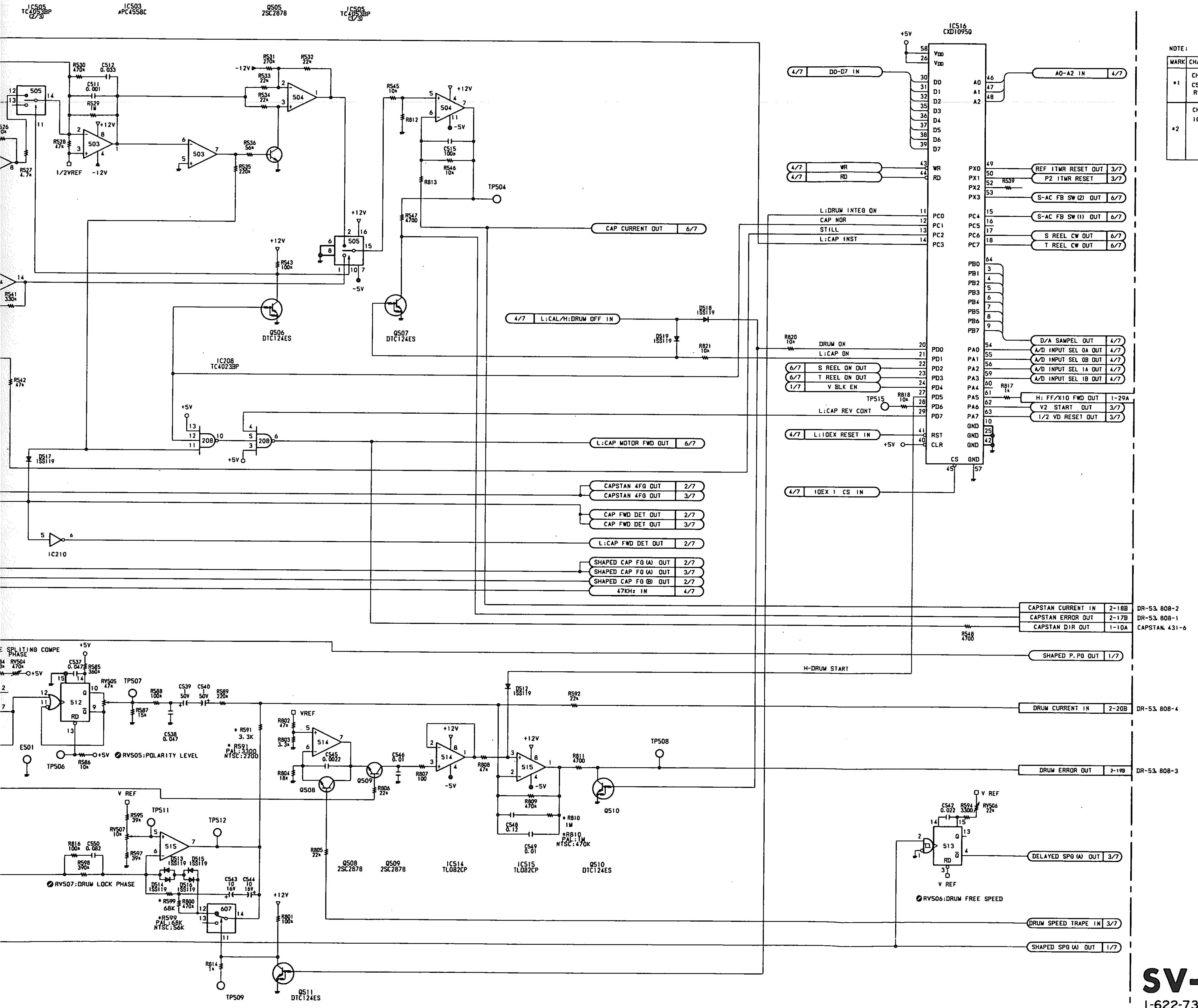
SV-88/A(5/7)

1-622-736-11(2)
BVU-950
BVU-950P

SV-88(5/7); DRUM/CAPSTAN PWM SERVO

S/N 10121 TO 11375(J)
S/N 11181 TO 15640(UC)





NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
*1	CHANGED C508 0.0022→0.01 RV501 22K→5K	J: 10121- UC: 11181- EK: 10981-
*2	CHANGED IC501, 506, 510, 511 NJM2903D ↓ LM2903D	J:11026- UC:14241- EK:13681- BR:10076-

SV-88/A(5/7)

1-622-736-12, 22(2)
BVU-950
BVU-950P

SV-88(7/7); PAL model only, Not include in this manual.

SV-113B/113F (5/5); REEL SERVO

S/N 11376 AND HIGHER (J)
S/N 15641 AND HIGHER (UC)
S/N 10096 AND HIGHER (BRZ)

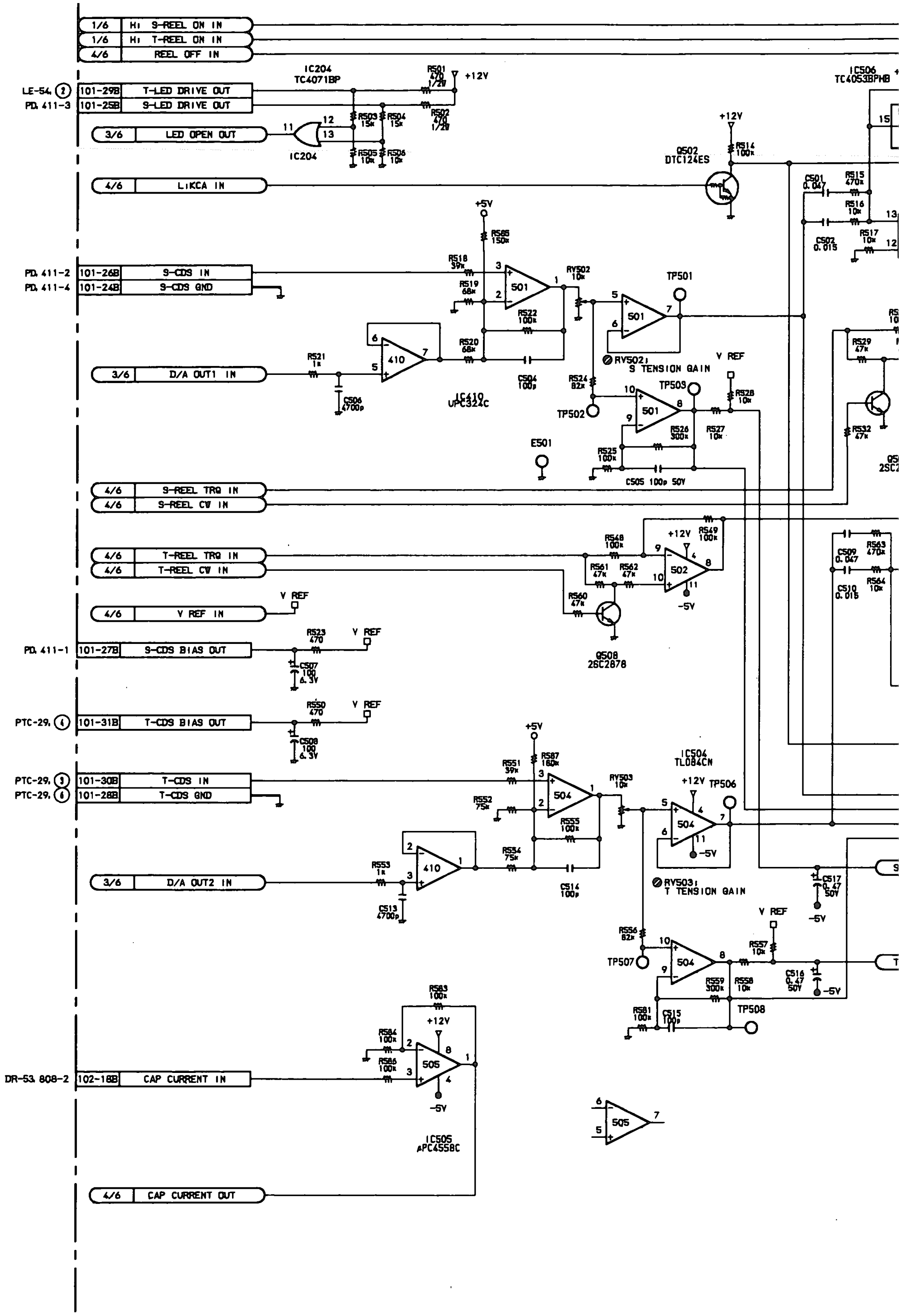
1

2

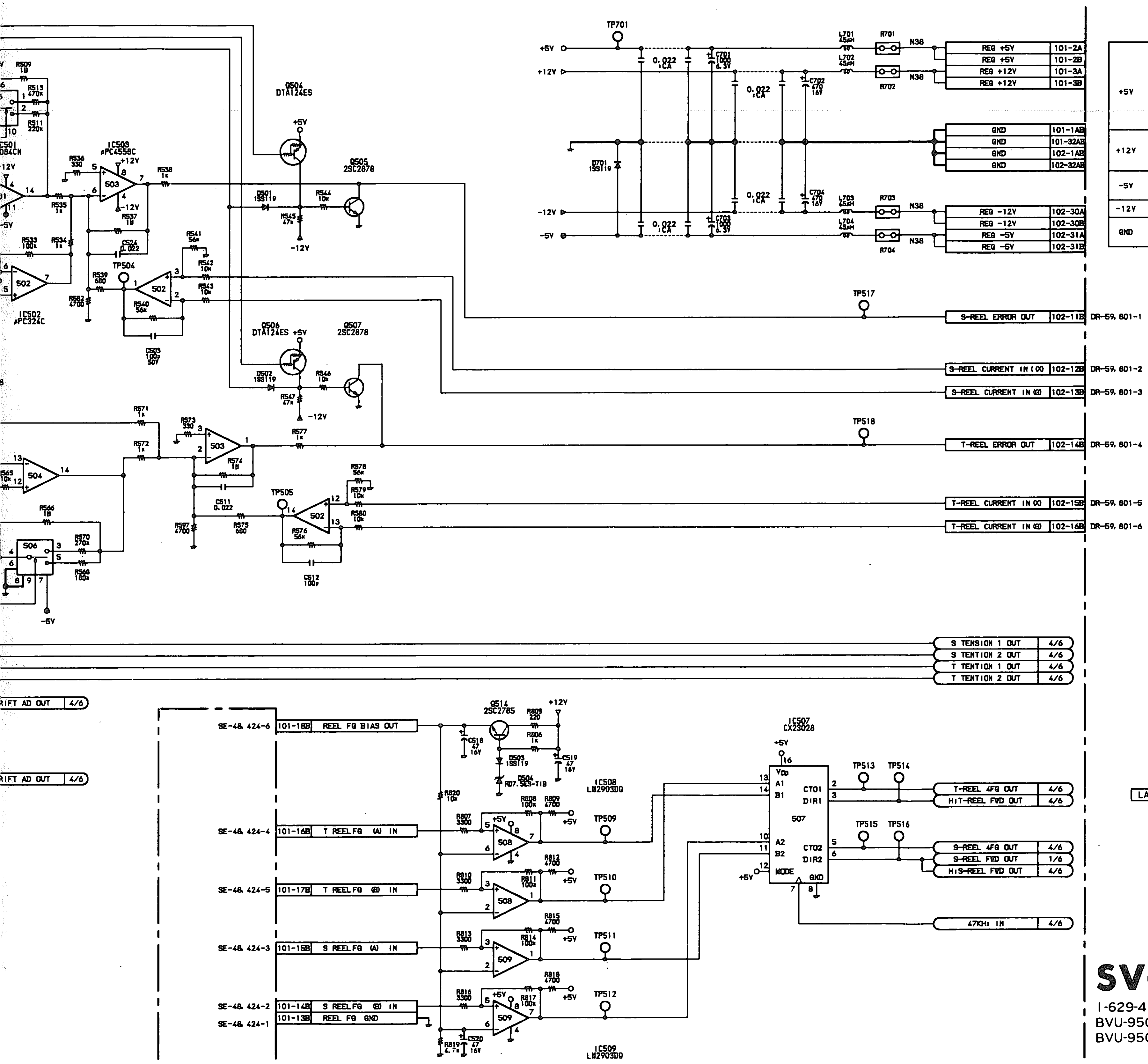
3

4

5



A | B | C | D | E | F | G | H



+5V	＊C707 ＊C708 ＊C711 ＊C715 ＊C716 ＊C717 ＊C721 ＊C722 ＊C726 ＊C727 ＊C728 ＊C730 ＊C731 ＊C732 ＊C733 ＊C734 ＊C735 ＊C736 ＊C737 ＊C738 ＊C741 ＊C742 ＊C744 ＊C745 ＊C746 ＊C747 ＊C748 ＊C751 ＊C752 ＊C758 ＊C759 ＊C760 ＊C761
+12V	＊C705 ＊C709 ＊C718 ＊C719 ＊C723 ＊C724 ＊C729 ＊C740 ＊C743 ＊C750 ＊C754 ＊C757
-5V	＊C706 ＊C714 ＊C720 ＊C739 ＊C749 ＊C753 ＊C755 ＊C756
-12V	＊C710
GND	＊E801 ＊E802 ＊E803 ＊E804 ＊E805 ＊E806

LAST REF

R822
C524
D504
Q514
TP518
RV503
IC511

SV-113B/113F(5/5)

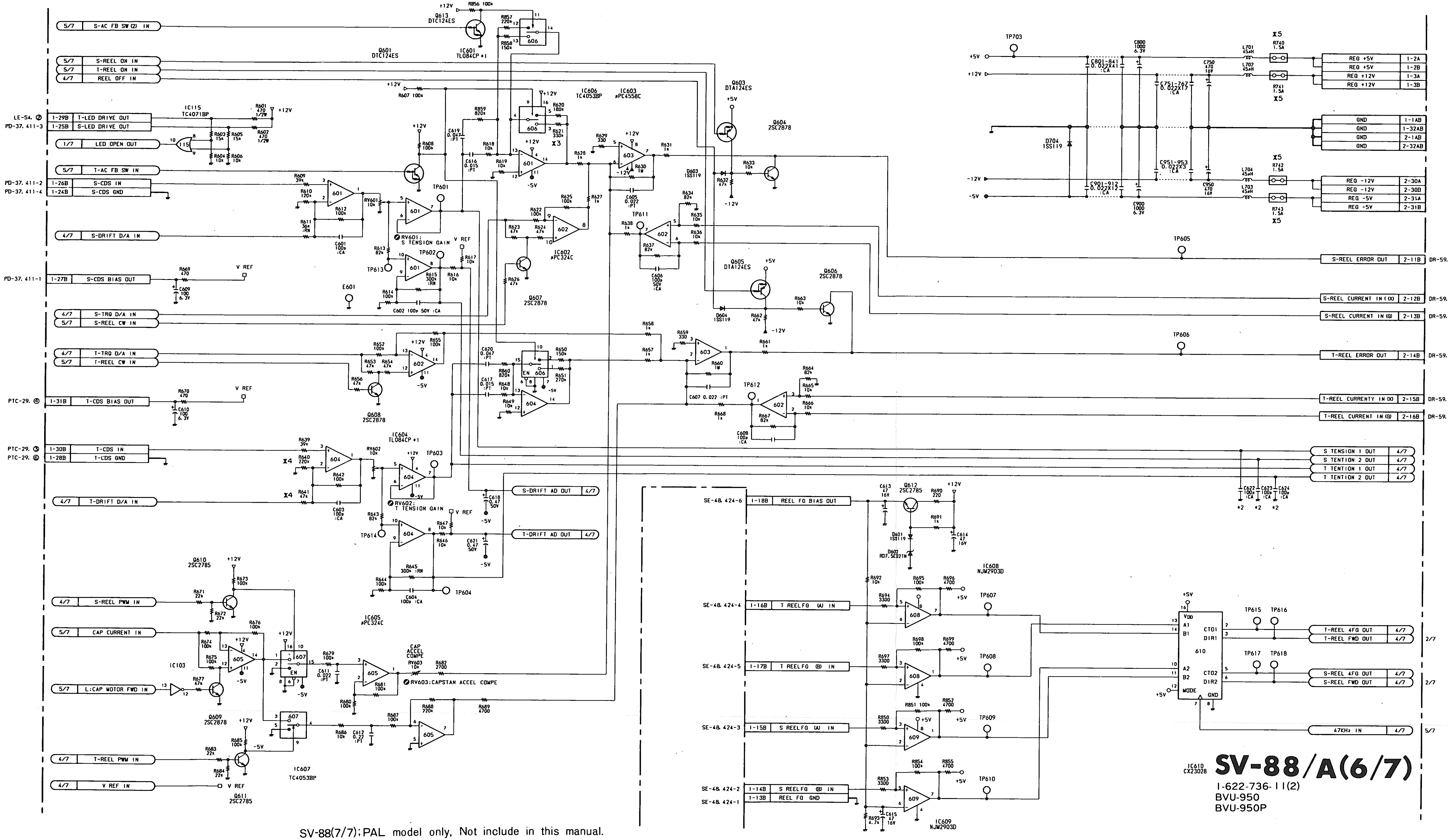
1-629-414-32(1)
BVU-950
BVU-950PM

SV-88(6/7); REEL SERVO

S/N UP TO 10120(J)
S/N UP TO 11180(UC)

NOTE :

MARK	CHANGE INFORMATION	SERIAL NO.
*1	IC601, 604 CHANGED UPC324C → TL084CP	J : 10021— UC : 10081— EK : 10081—
*2	C622—624 DELETED	
*3	R621 CHANGED 1K → 330K	
*4	R640 CHANGED 470K → 220K R641 CHANGED 56K → 47K	
*5	R740—743 CHANGED 0.8A → 1.5A	J : 10021— UC : 10381— EK : 10381—



SV-88/A(6/7)
1-622-736-11(2)
BVU-950
BVU-950P

SV-88(7/7);PAL model only, Not include in this manual.

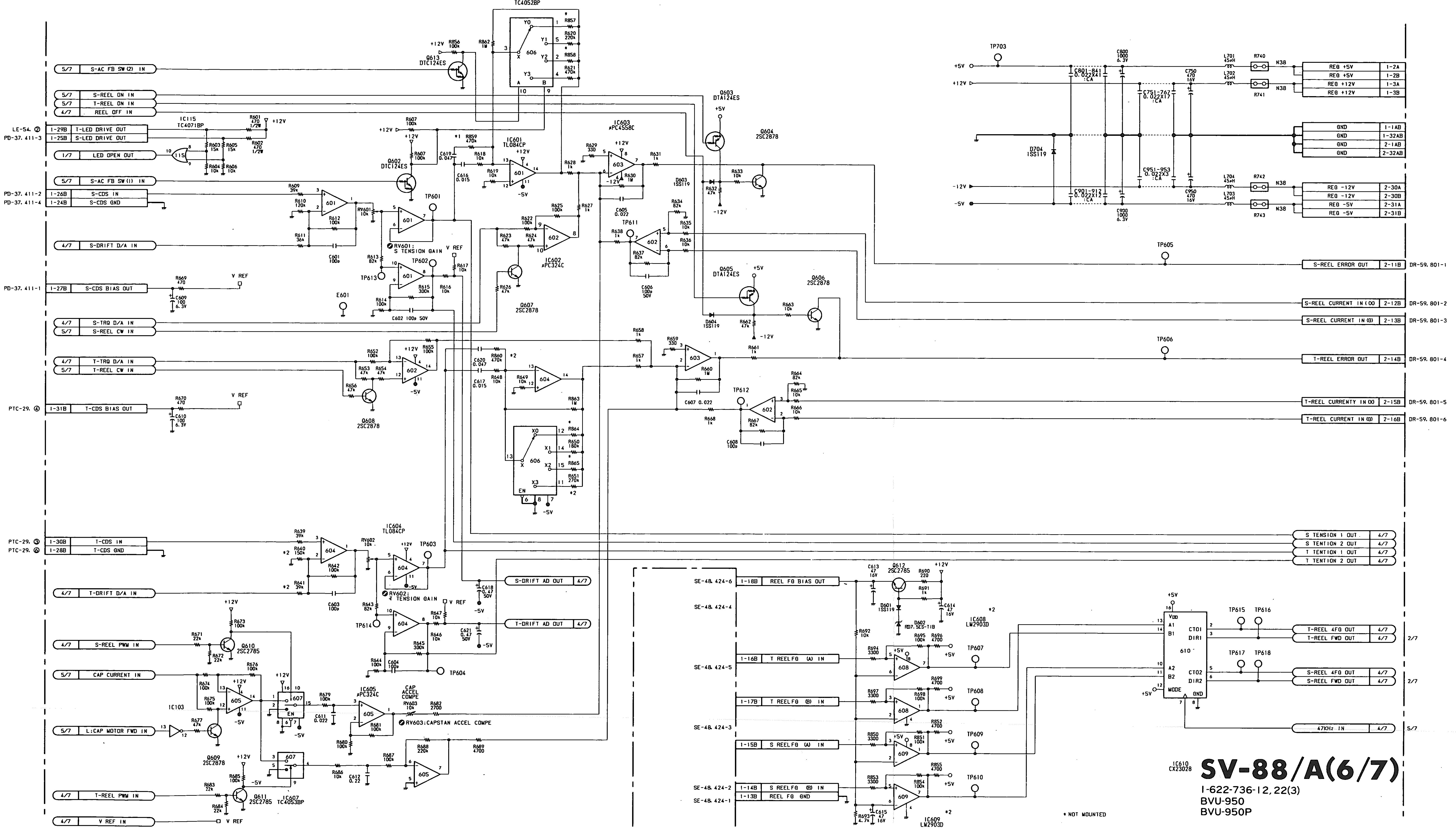
SV-88(6/7); REEL SERVO

S/N 10121 TO 11375(J)
S/N 11181 TO 15640(UC)

1
2
3
4
5

NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
*1	R859 CHANGED 820K → 470K	J :10261 - UC:12591 - EK:11881 -
*2	CHANGED R640 220K → 150K R641 47K → 39K R651 390K → 270K R860 820K → 470K IC608, 609 NJM2903D ↓ LM2903D	J:11026- UC:14241- EK:13681- BR:10076-



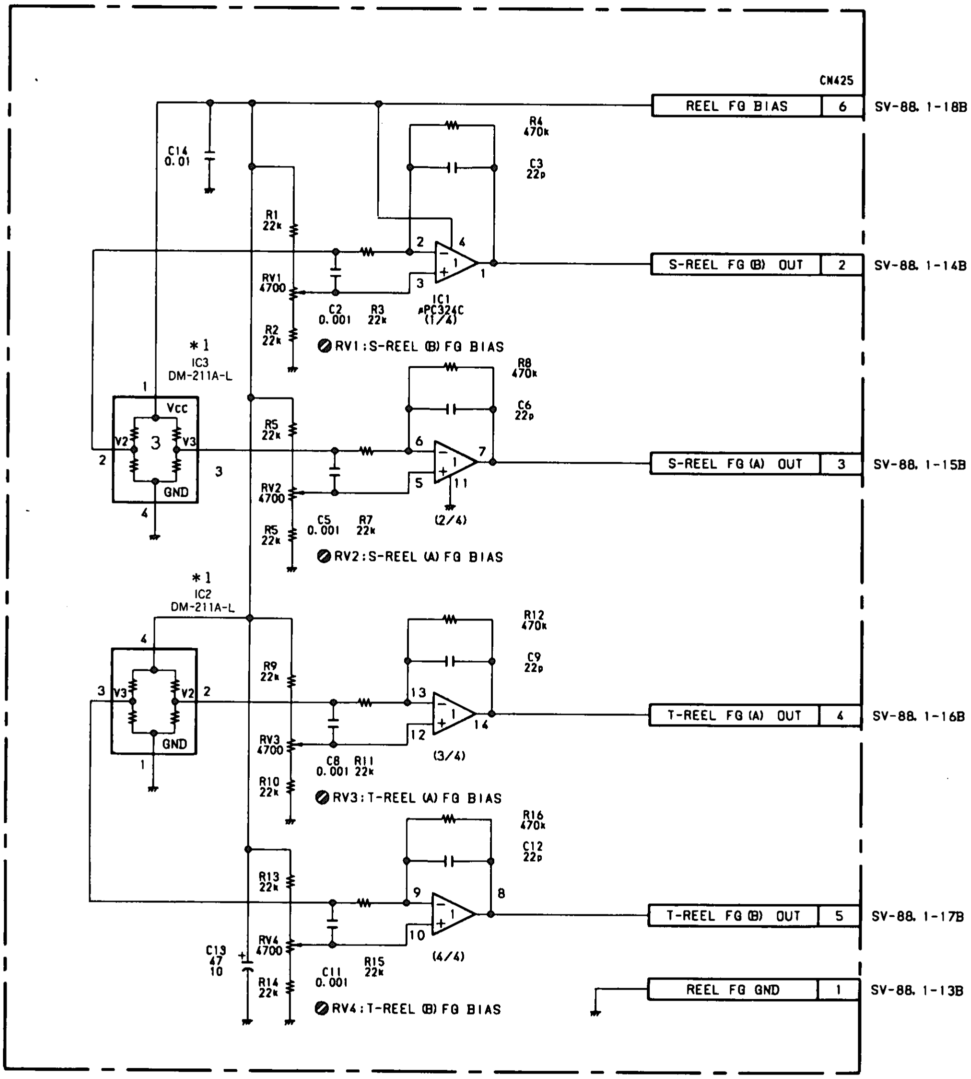
SV-88/A(6/7)

1-622-736-12, 22(3)
BVU-950
BVU-950P

SV-88(7/7); PAL model only, Not include in this manual

A B C D E F G H I J K L

SE-48; REEL ROTATION DETECTOR



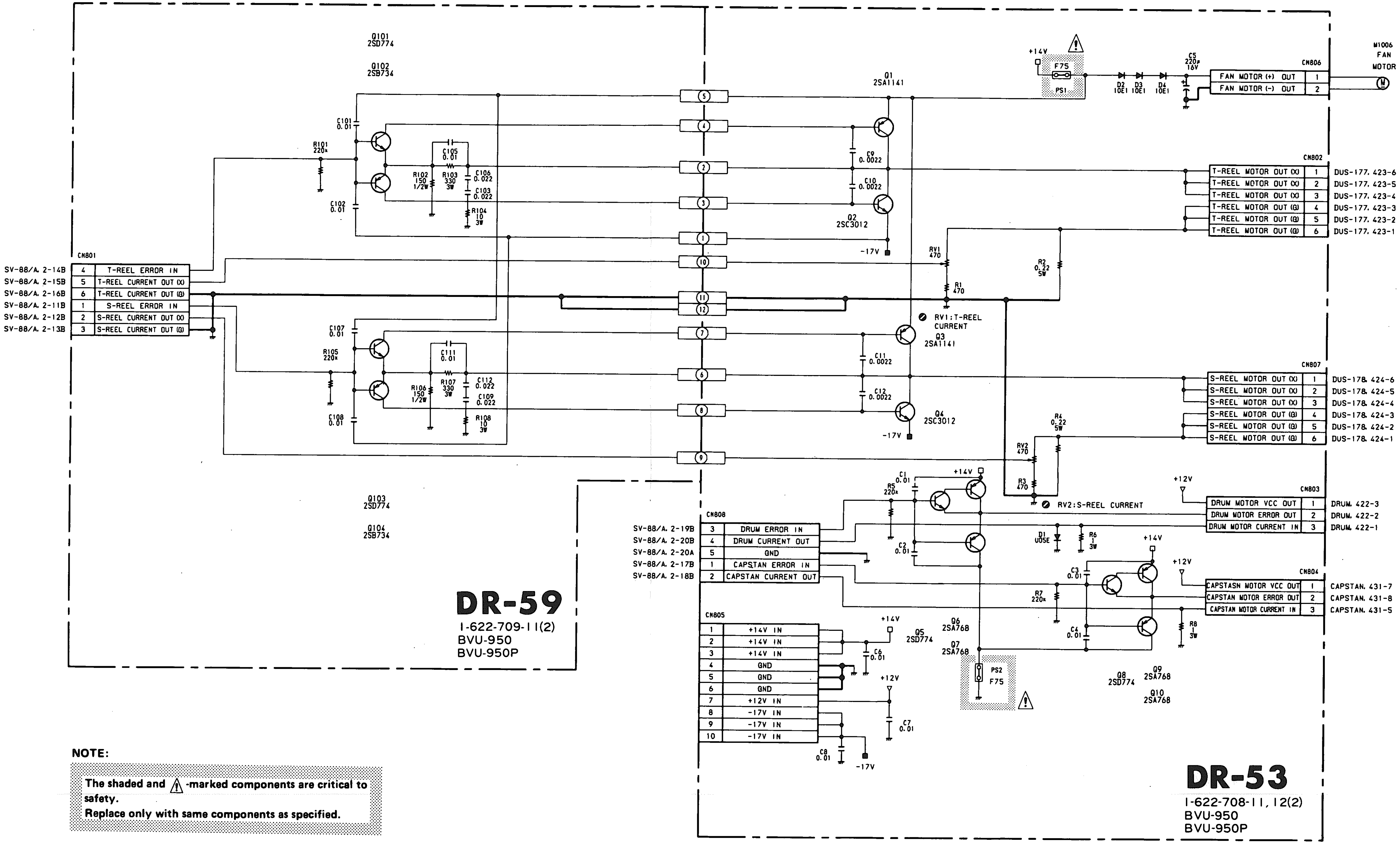
SE-48

1-622-735-11(2)
BVU-950
BVU-950P

NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
*1	B-3	IC2, 3 CHANGED DM211 → DM-211A-L	J ; 11736- UC; 17116- EK ; 14421- BR ; 10131-

DR-53; REEL/CAPSTAN/DRUM MOTOR DRIVE
DR-59; REEL MOTOR DRIVE

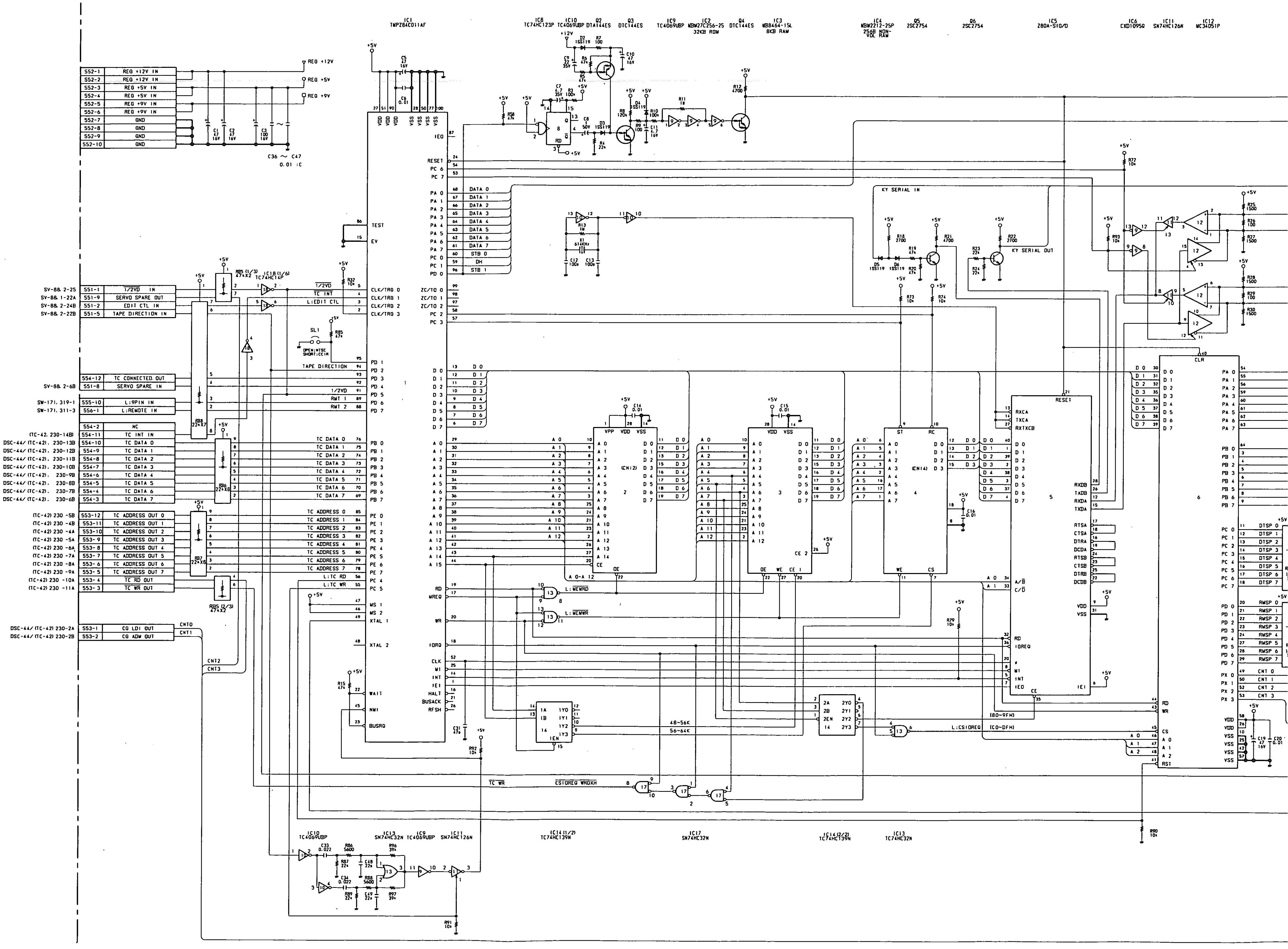

Q101
2SD774
Q102
2SB734
C101
0.01
R101
220k
C105
0.01
R102
150
1/2W
R103
330
3W
C106
0.022
C103
0.022
R104
10
3W
C102
0.01
C107
0.01
R105
220k
C111
0.01
R106
150
1/2W
R107
330
3W
C112
0.022
C109
0.022
R108
10
3W
C108
0.01
Q103
2SD774
Q104
2SB734
CN801
SV-88/A. 2-14B 4 T-REEL ERROR IN
SV-88/A. 2-15B 5 T-REEL CURRENT OUT (X)
SV-88/A. 2-16B 6 T-REEL CURRENT OUT (G)
SV-88/A. 2-11B 1 S-REEL ERROR IN
SV-88/A. 2-12B 2 S-REEL CURRENT OUT (X)
SV-88/A. 2-13B 3 S-REEL CURRENT OUT (G)
5
4
2
3
1
10
11
12
7
6
8
9
Q1
2SA1141
C9
0.0022
C10
0.0022
Q2
2SC3012
-17V
RV1
470
R1
470
R2
0.22
5W
RV1:T-REEL CURRENT
Q3
2SA1141
C11
0.0022
C12
0.0022
Q4
2SC3012
-17V
R4
0.22
5W
RV2
470
R3
470
RV2:S-REEL CURRENT
+14V
F75
PS1
D2 D3 D4
10E1 10E1 10E1
C5
220μ
16V
CN806
FAN MOTOR (+) OUT 1
FAN MOTOR (-) OUT 2
M1006
FAN
MOTOR
M
CN802
T-REEL MOTOR OUT (X) 1 DUS-177, 423-6
T-REEL MOTOR OUT (X) 2 DUS-177, 423-5
T-REEL MOTOR OUT (X) 3 DUS-177, 423-4
T-REEL MOTOR OUT (G) 4 DUS-177, 423-3
T-REEL MOTOR OUT (G) 5 DUS-177, 423-2
T-REEL MOTOR OUT (G) 6 DUS-177, 423-1
CN807
S-REEL MOTOR OUT (X) 1 DUS-178, 424-6
S-REEL MOTOR OUT (X) 2 DUS-178, 424-5
S-REEL MOTOR OUT (X) 3 DUS-178, 424-4
S-REEL MOTOR OUT (G) 4 DUS-178, 424-3
S-REEL MOTOR OUT (G) 5 DUS-178, 424-2
S-REEL MOTOR OUT (G) 6 DUS-178, 424-1
+12V
CN803
DRUM MOTOR VCC OUT 1 DRUM, 422-3
DRUM MOTOR ERROR OUT 2 DRUM, 422-2
DRUM MOTOR CURRENT IN 3 DRUM, 422-1
+12V
CN804
CAPSTASN MOTOR VCC OUT 1 CAPSTAN, 431-7
CAPSTAN MOTOR ERROR OUT 2 CAPSTAN, 431-8
CAPSTAN MOTOR CURRENT IN 3 CAPSTAN, 431-5
CN808
SV-88/A. 2-19B 3 DRUM ERROR IN
SV-88/A. 2-20B 4 DRUM CURRENT OUT
SV-88/A. 2-20A 5 GND
SV-88/A. 2-17B 1 CAPSTAN ERROR IN
SV-88/A. 2-18B 2 CAPSTAN CURRENT OUT
C1
0.01
R5
220k
+14V
C2
0.01
D1
U05E
R6
1
3W
+14V
C3
0.01
R7
220k
C4
0.01
R8
1
3W
CN805
1 +14V IN
2 +14V IN
3 +14V IN
4 GND
5 GND
6 GND
7 +12V IN
8 -17V IN
9 -17V IN
10 -17V IN
+14V
C6
0.01
+12V
C7
0.01
C8
0.01
-17V
Q5
2SD774
Q6
2SA768
Q7
2SA768
PS2
F75
Q8
2SD774
Q9
2SA768
Q10
2SA768
DR-59
1-622-709-11(2)
BVU-950
BVU-950P
DR-53
1-622-708-11, 12(2)
BVU-950
BVU-950P

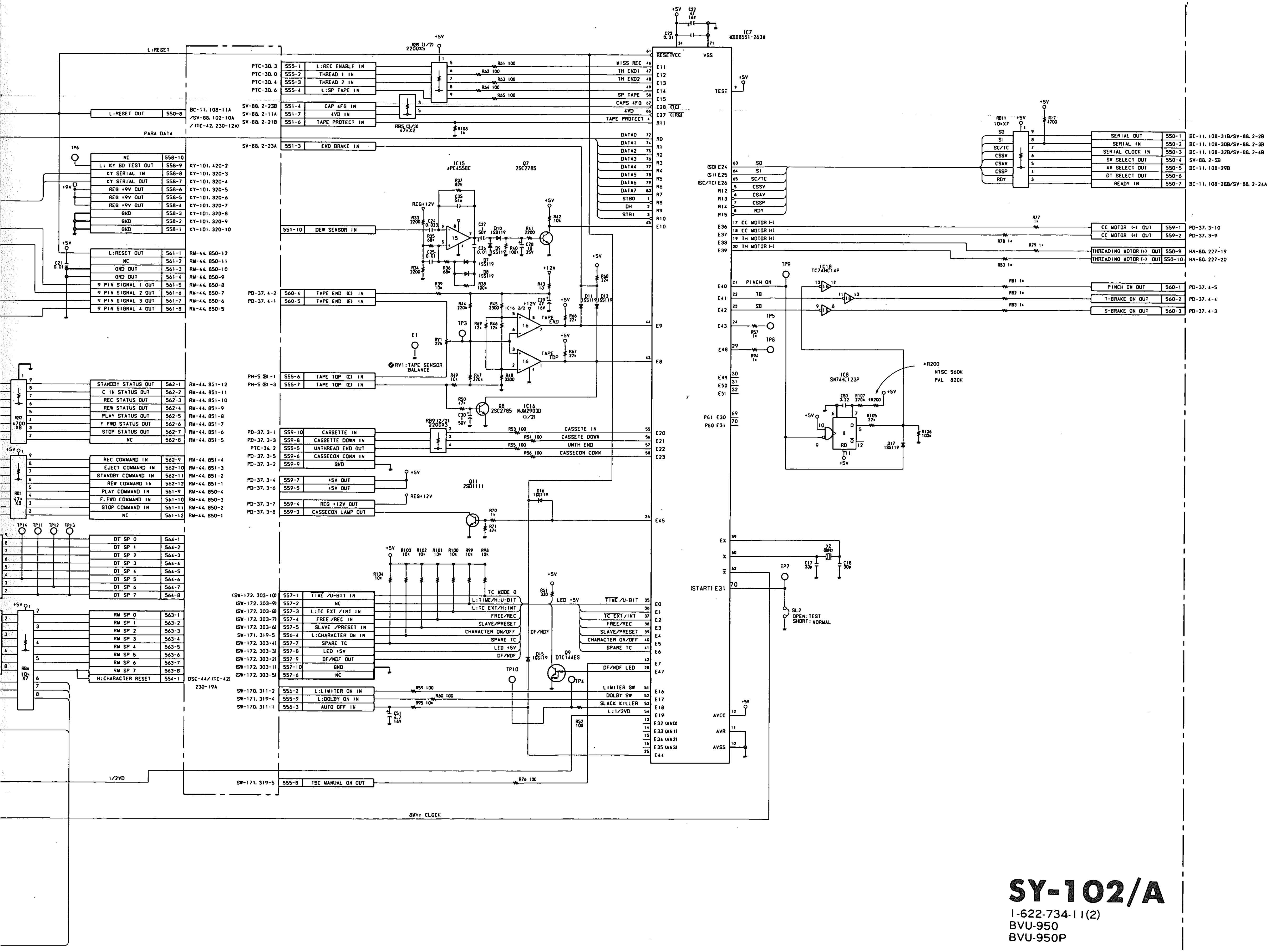
NOTE:

The shaded and ⚠ -marked components are critical to safety.
Replace only with same components as specified.

SY-102; SYSTEM CONTROL

S/N UP TO 10120(J)
S/N UP TO 11000(UC)



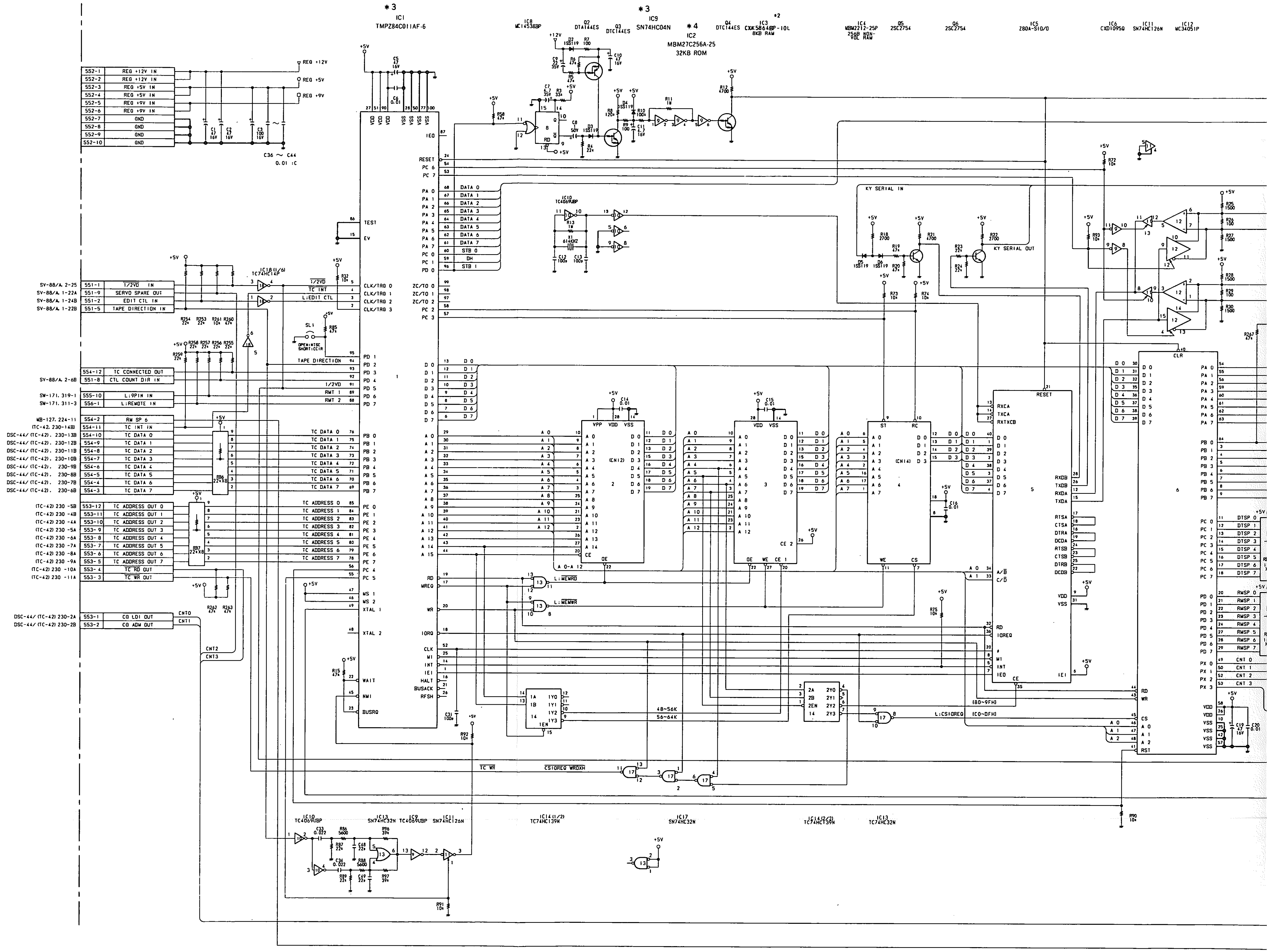


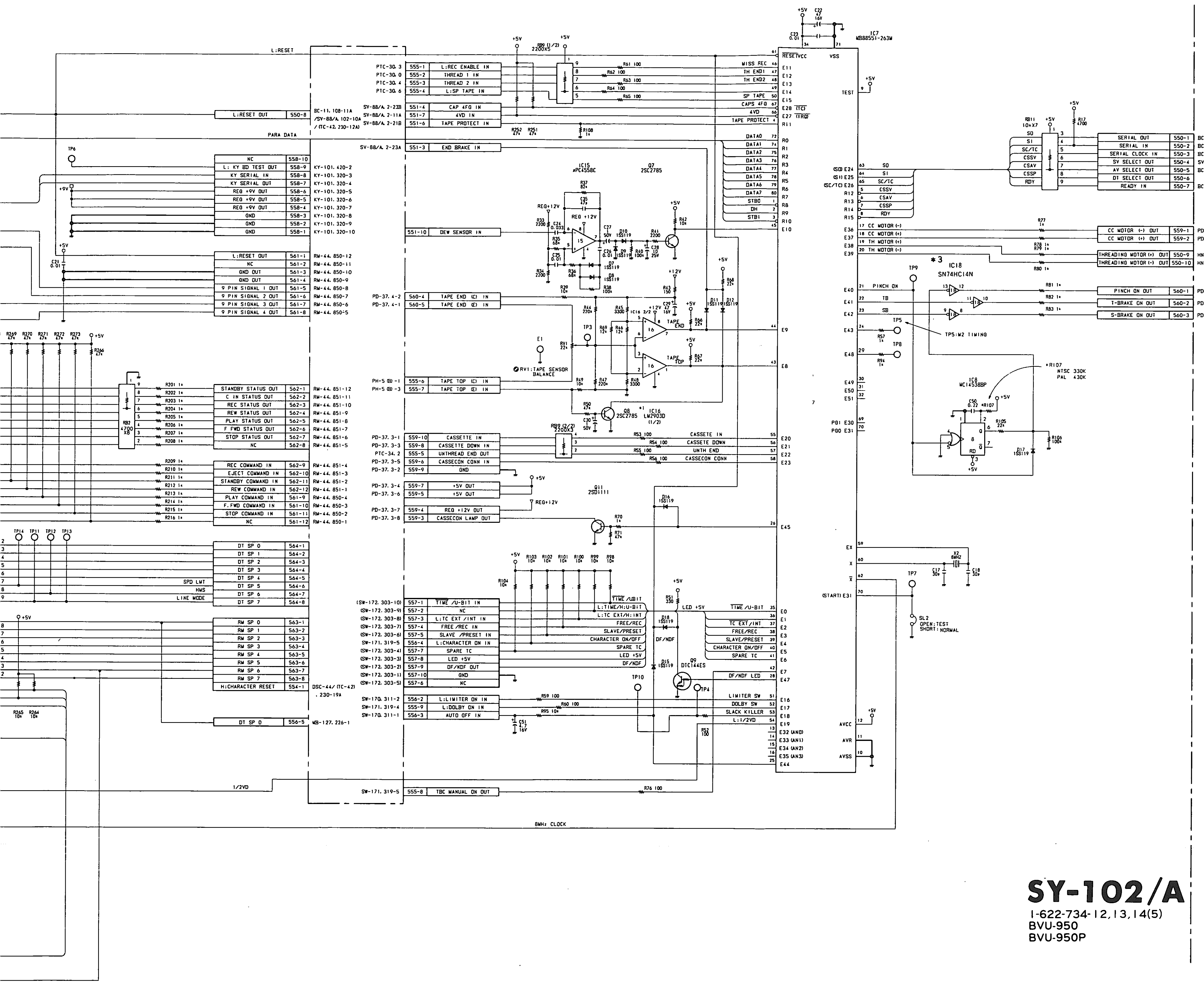
SY-102/A

1-622-734-11(2)
BVU-950
BVU-950P

SY-102; SYSTEM CONTROL

S/N 10121 AND HIGHER(J)
S/N 11001 AND HIGHER(UC)





SY-102/A

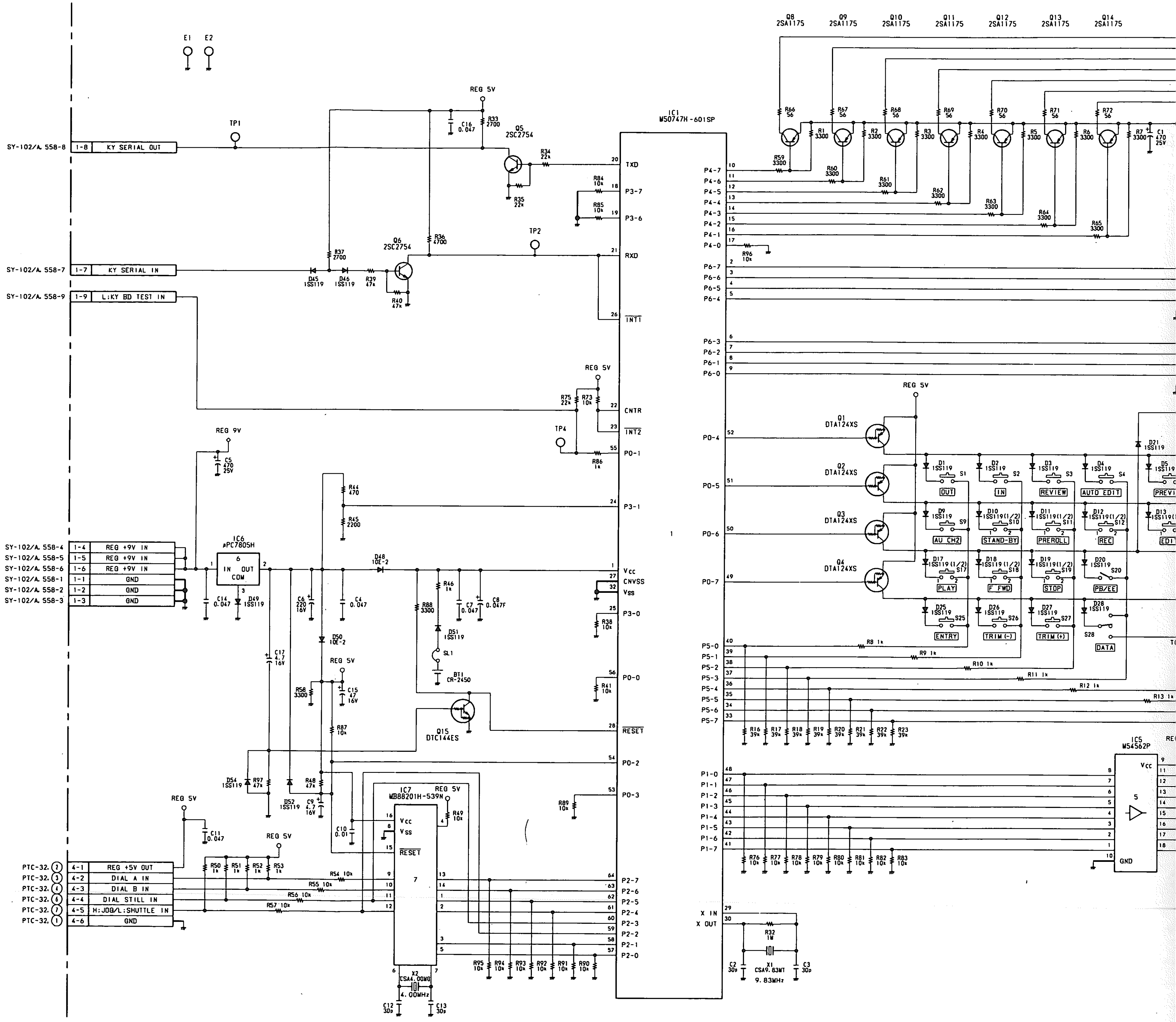
1-622-734-12,13,14(5)
BVU-950
BVU-950P

NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
＊1	CHANGED IC16 NJM2903D ↓ LM2903D	J ; 11026- UC; 14241- EK; 13681- BR; 10076-
＊2	CHANGED IC3 MB8464-15L ↓ CXK5864BP-10L	J ; 11276- UC; 15191- EK; 13731- BR; 10076-
＊3	CHANGED IC1 TMPZ84C011AF ↓ TMPZ84C011AF-6 IC9 TC4069UBP ↓ SN74HC04N IC18 TC74HC14P ↓ SN74HC14N	J ; 11326- UC; 15291- EK; 13731- BR; 10076-
＊4	CHANGED IC2 MBM27C256-25 ↓ MBM27C256A-25	J ; 11376- UC; 15491- EK; 13731- BR; 10086-

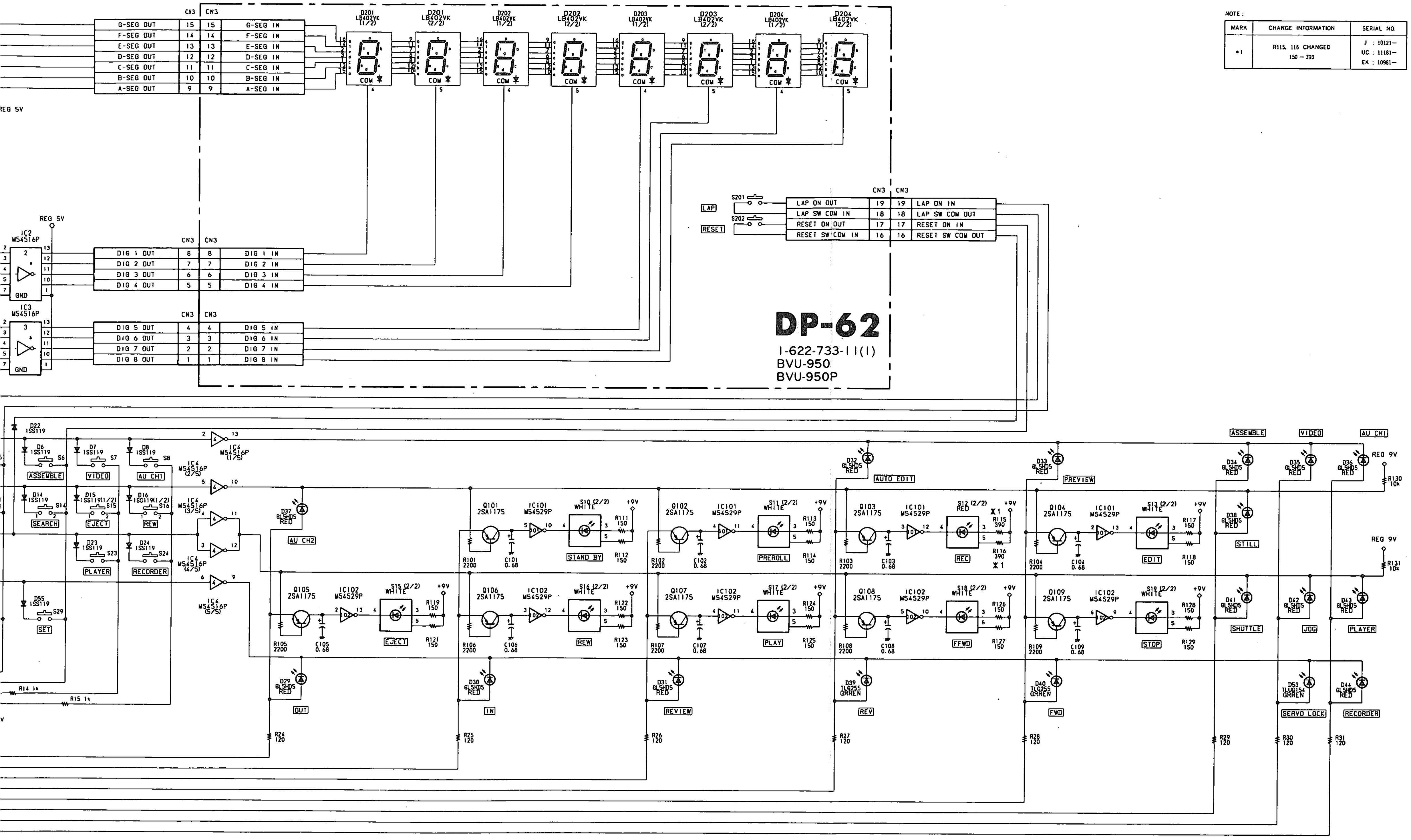
KY-101; FUNCTION KEY BOARD
DP-62; DISPLAY

S/N UP TO 10755(J)
S/N UP TO 13690(UC)



NOTE :

MARK	CHANGE INFORMATION	SERIAL NO.
*1	R115, 116 CHANGED 150 → 390	J : 10121— UC : 11181— EK : 10981—

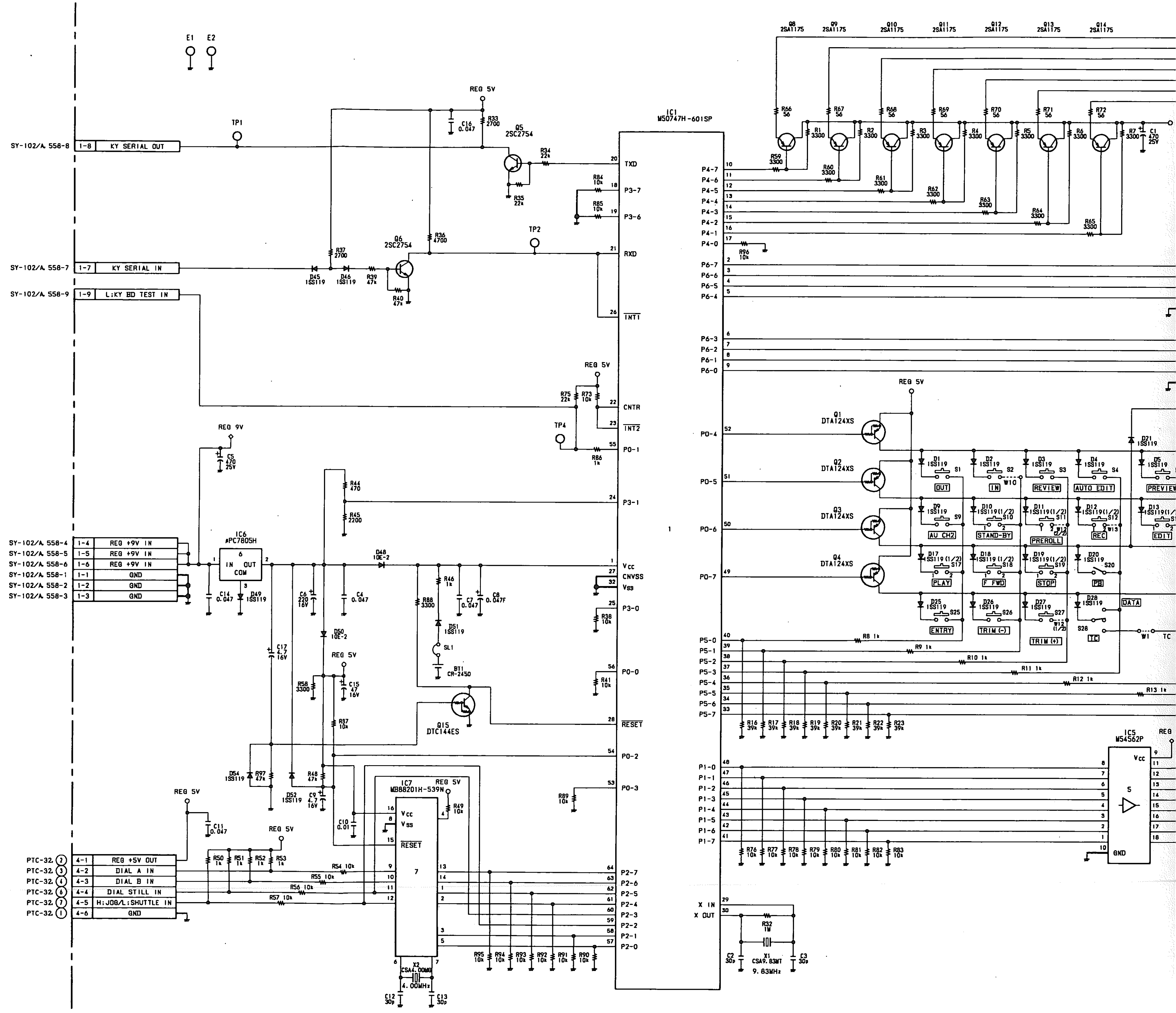


KY-101

1-622-732-11, 12(2)
BVU-950
BVU-950P

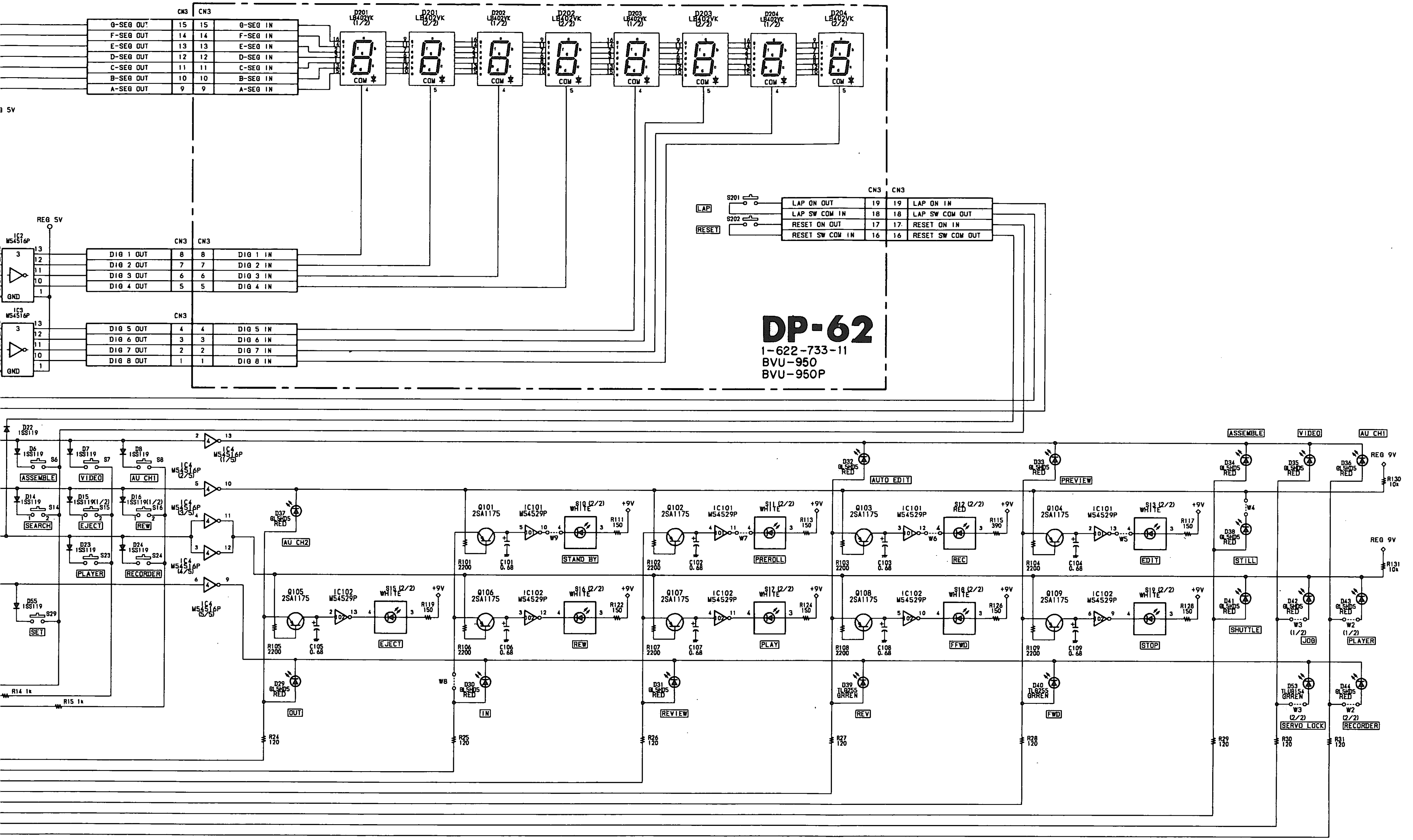
KY-144; FUNCTION KEY BOARD
DP-62; DISPLAY

S/N 10756 AND HIGHER (J)
S/N 13691 AND HIGHER (UC)



A
B
C
D
E
F
G
H

1
2
3
4
5



REF NO	TYPE	PIN NO.	
		GND	+5V
IC1	M50747-601SP	32	1
IC2	M54516P	7	1
IC3	M54516P	7	1
IC4	M54516P	7	1
IC5	M54562P	10	
IC6	μPC7805H	3	
IC7	MB-88201H	8	16
IC101	M54529AP	7	1, 14
IC102	M54529AP	7	1, 14

KY-144
1-624-994-11, 12(2)
BVU-950
BVU-950P

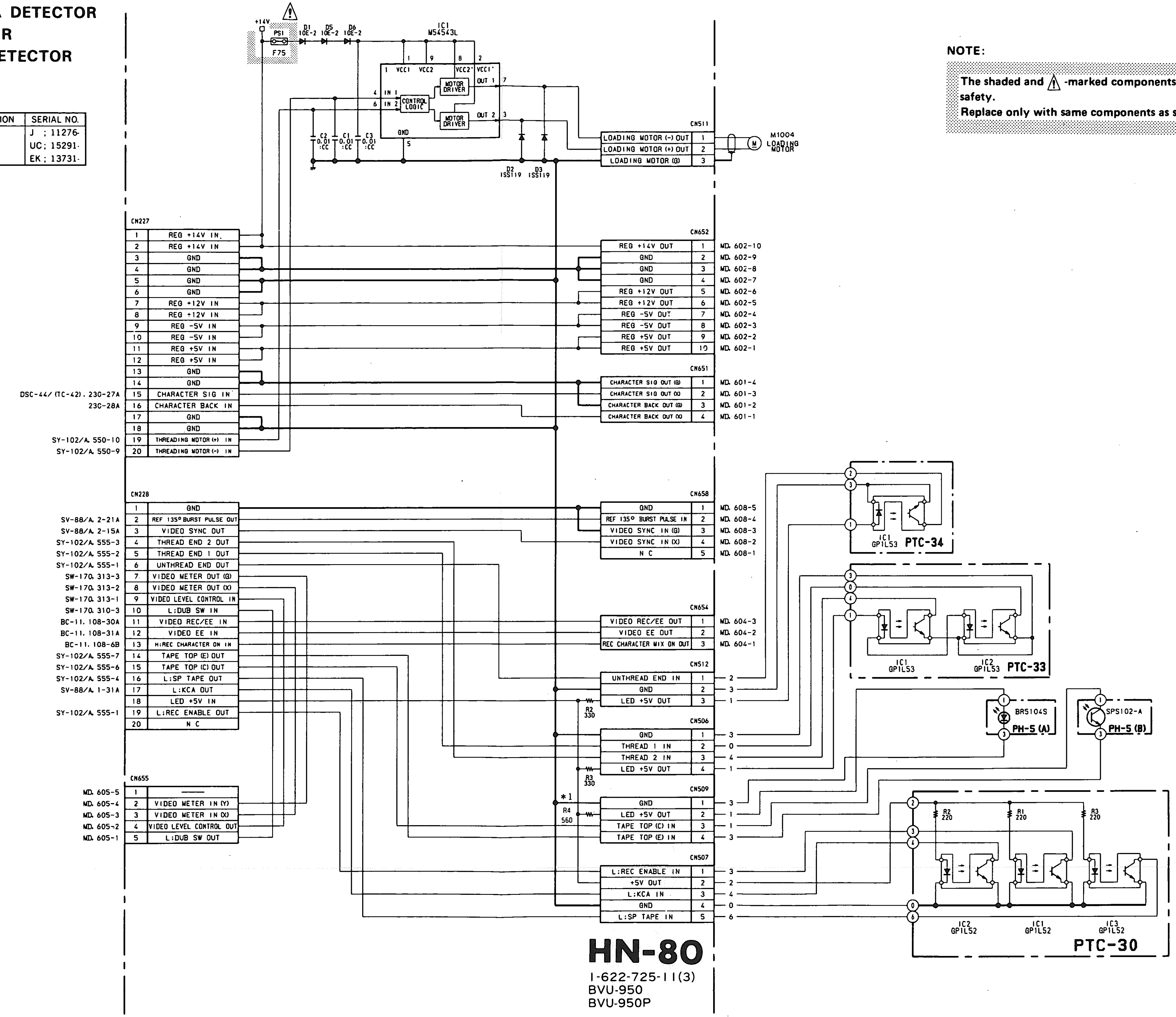
HN-80; THREADING MOTOR DRIVER
PH-5(A); TAPE TOP LED
PH-5(B); TAPE TOP SENSOR
PTC-30; SP, MISS REC, KCA DETECTOR
PTC-33; FR STOP DETECTOR
PTC-34; UNTHREAD END DETECTOR

NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
*1	CHANGED R4 330 → 560	J ; 11276- UC; 15291- EK ; 13731-

NOTE:

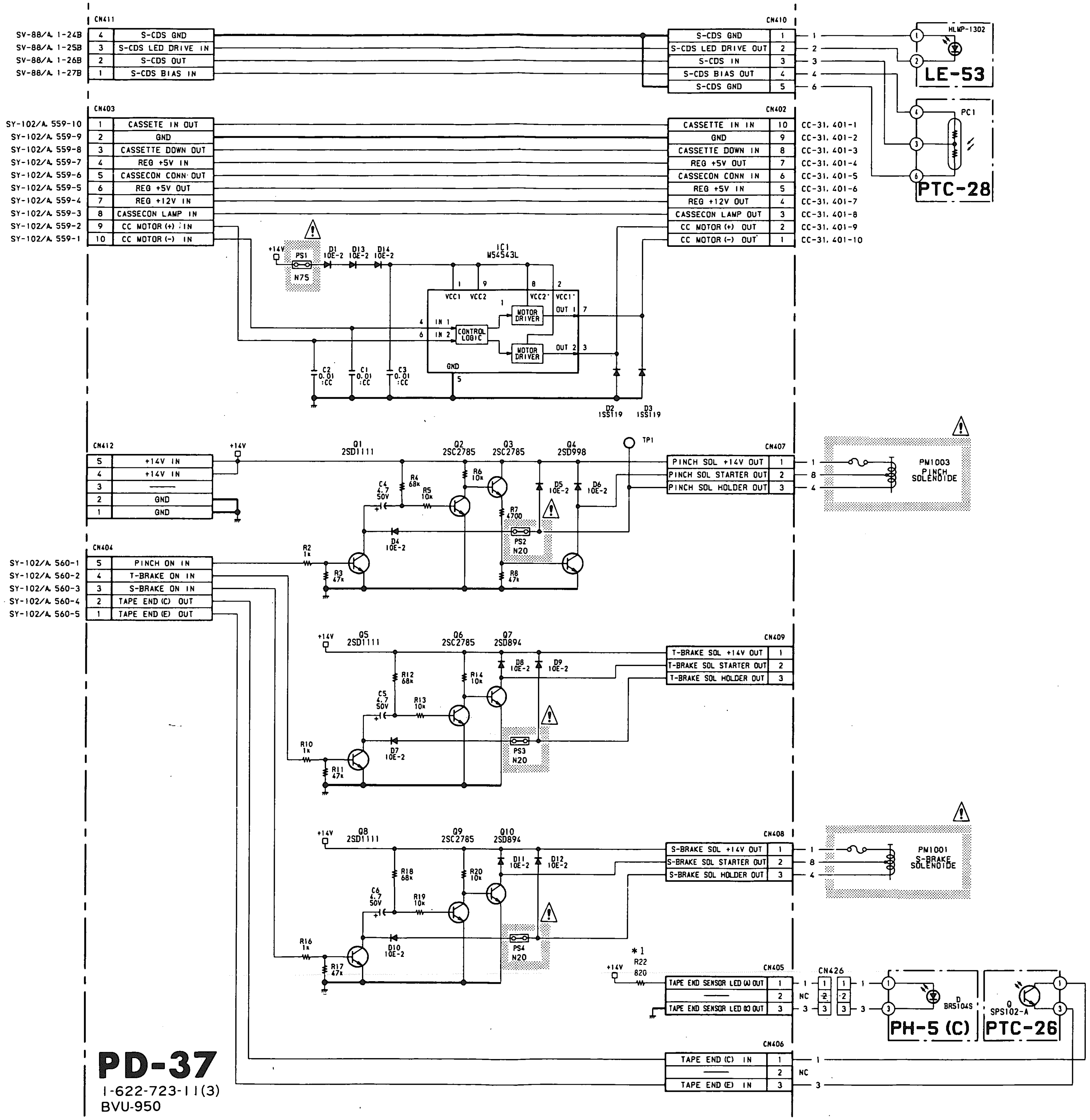
The shaded and ⚠ -marked components are critical to safety.
Replace only with same components as specified.



LE-53; S-TENSION LED
PD-37; CASSETTE-UP COMPARTMENT MOTOR DRIVER/SOLENOID DRIVER
PH-5(C); TAPE END LED
PTC-26; TAPE END SENSOR
PTC-28; S-TENSION CDS

NOTE:

MARK	CHANGE INFORMATION	SERIAL NO.
＊1	CHANGED R22 1200 → 820	J ; 11276- UC; 15291-

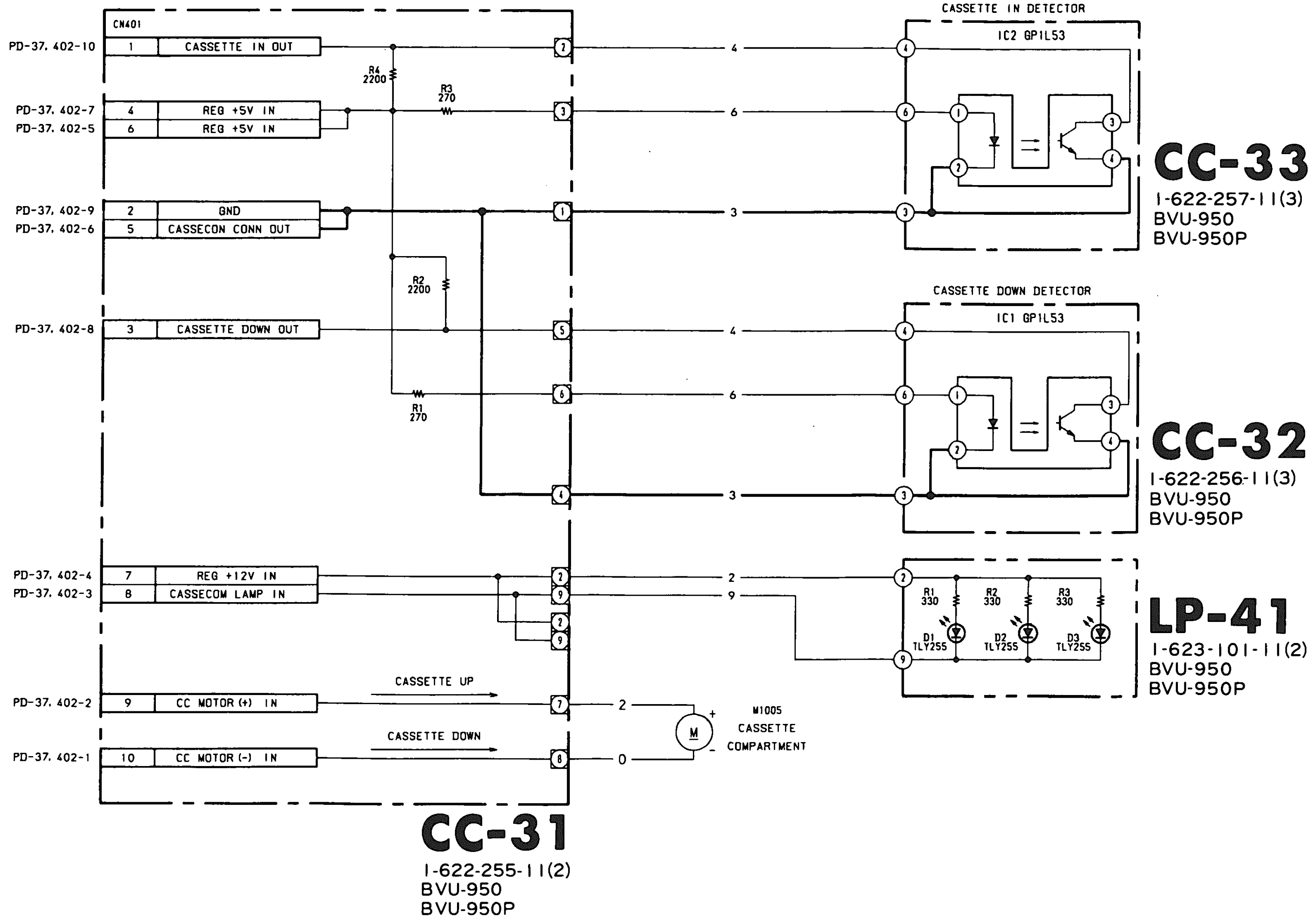

CN411
SV-88/A 1-24B 4 S-CDS GND
SV-88/A 1-25B 3 S-CDS LED DRIVE IN
SV-88/A 1-26B 2 S-CDS OUT
SV-88/A 1-27B 1 S-CDS BIAS IN
CN410
S-CDS GND 1 — 1
S-CDS LED DRIVE OUT 2 — 2
S-CDS IN 3 — 3
S-CDS BIAS OUT 4 — 4
S-CDS GND 5 — 6
HLMP-1302
LE-53
PC1
PTC-28
CN403
SY-102/A 559-10 1 CASSETE IN OUT
SY-102/A 559-9 2 GND
SY-102/A 559-8 3 CASSETTE DOWN OUT
SY-102/A 559-7 4 REG +5V IN
SY-102/A 559-6 5 CASSECON CONN OUT
SY-102/A 559-5 6 REG +5V OUT
SY-102/A 559-4 7 REG +12V IN
SY-102/A 559-3 8 CASSECON LAMP IN
SY-102/A 559-2 9 CC MOTOR (+) IN
SY-102/A 559-1 10 CC MOTOR (-) IN
CN402
CASSETTE IN IN 10 CC-31, 401-1
GND 9 CC-31, 401-2
CASSETTE DOWN IN 8 CC-31, 401-3
REG +5V OUT 7 CC-31, 401-4
CASSECON CONN IN 6 CC-31, 401-5
REG +5V IN 5 CC-31, 401-6
REG +12V OUT 4 CC-31, 401-7
CASSECON LAMP OUT 3 CC-31, 401-8
CC MOTOR (+) OUT 2 CC-31, 401-9
CC MOTOR (-) OUT 1 CC-31, 401-10
+14V
PS1 N75
D1 10E-2
D13 10E-2
D14 10E-2
IC1 M54543L
VCC1 VCC2 VCC2' VCC1'
IN 1 IN 2
CONTROL LOGIC
MOTOR DRIVER
MOTOR DRIVER
OUT 1 OUT 2
GND
C2 0.01 :CC
C1 0.01 :CC
C3 0.01 :CC
D2 1SS119
D3 1SS119
CN412
5 +14V IN
4 +14V IN
3 ———
2 GND
1 GND
+14V
Q1 2SD1111
Q2 2SC2785
Q3 2SC2785
Q4 2SD998
TP1
C4 4.7 50V
R4 68k
R5 10k
R6 10k
R7 4700
D5 10E-2
D6 10E-2
D4 10E-2
PS2 N20
R2 1k
R3 47k
R8 47k
CN407
PINCH SOL +14V OUT 1 — 1
PINCH SOL STARTER OUT 2 — 8
PINCH SOL HOLDER OUT 3 — 4
PM1003 PINCH SOLENOIDE
CN404
SY-102/A 560-1 5 PINCH ON IN
SY-102/A 560-2 4 T-BRAKE ON IN
SY-102/A 560-3 3 S-BRAKE ON IN
SY-102/A 560-4 2 TAPE END (C) OUT
SY-102/A 560-5 1 TAPE END (E) OUT
+14V
Q5 2SD1111
Q6 2SC2785
Q7 2SD894
R12 68k
R14 10k
D8 10E-2
D9 10E-2
C5 4.7 50V
R13 10k
D7 10E-2
R10 1k
R11 47k
PS3 N20
CN409
T-BRAKE SOL +14V OUT 1
T-BRAKE SOL STARTER OUT 2
T-BRAKE SOL HOLDER OUT 3
+14V
Q8 2SD1111
Q9 2SC2785
Q10 2SD894
R18 68k
R20 10k
D11 10E-2
D12 10E-2
C6 4.7 50V
R19 10k
D10 10E-2
R16 1k
R17 47k
PS4 N20
CN408
S-BRAKE SOL +14V OUT 1 — 1
S-BRAKE SOL STARTER OUT 2 — 8
S-BRAKE SOL HOLDER OUT 3 — 4
PM1001 S-BRAKE SOLENOIDE
＊1
+14V
R22 820
CN405
TAPE END SENSOR LED (A) OUT 1 — 1
——— 2 NC
TAPE END SENSOR LED (K) OUT 3 — 3
CN426
D BRS104S
Q SPS102-A
PH-5 (C)
PTC-26
CN406
TAPE END (C) IN 1 — 1
——— 2 NC
TAPE END (E) IN 3 — 3
PD-37
1-622-723-11(3)
BVU-950

NOTE:

The shaded and ⚠-marked components are critical to safety.
Replace only with same components as specified.

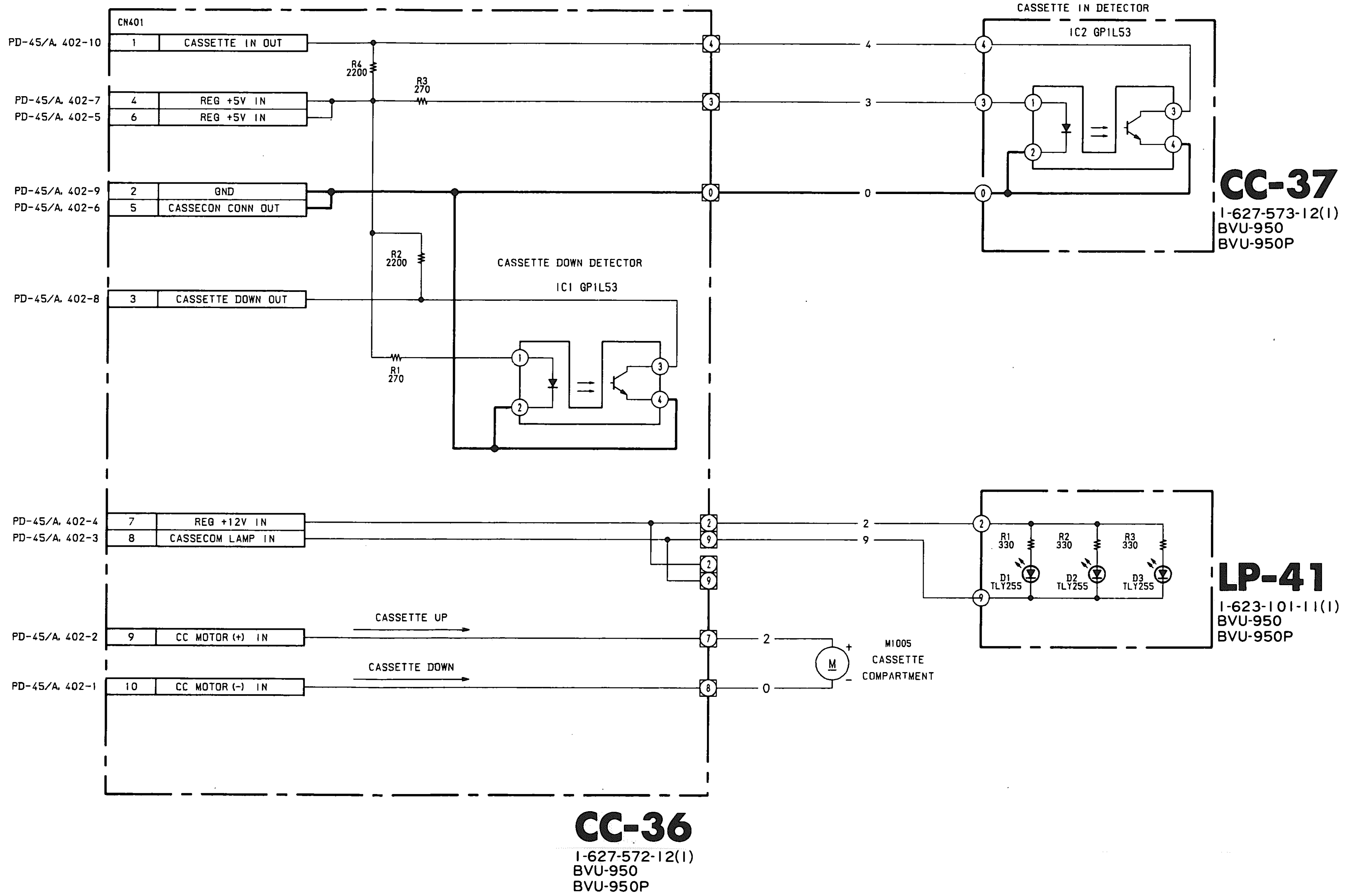
CC-31; CASSETTE COMPARTMENT DRIVER
CC-32; CASSETTE DOWN DETECTOR
CC-33; CASSETTE IN DETECTOR
LP-41; CASSETTE COMPARTMENT LIGHT

S/N UP TO 11025 (J)
S/N UP TO 13940 (UC)
S/N UP TO 10045 (BRZ)

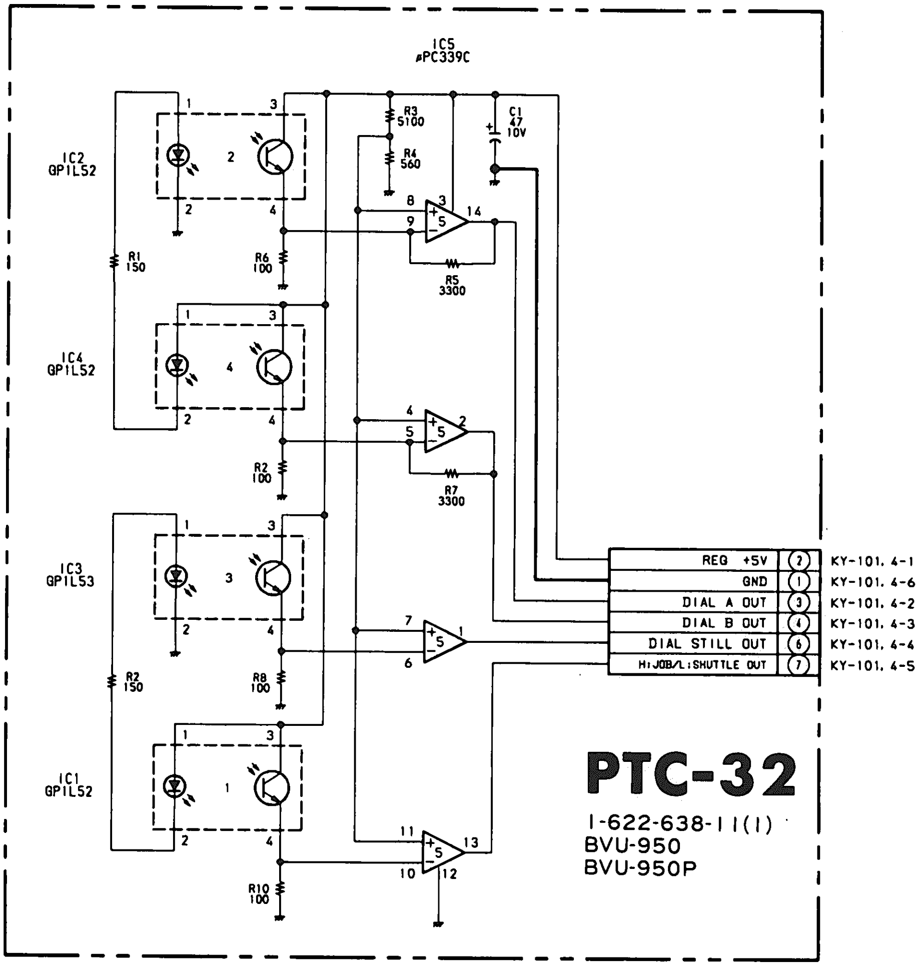


CC-36; CASSETTE DOWN DETECTOR
CC-37; CASSETTE IN DETECTOR
LP-41; CASSETTE COMPARTMENT LIGHT

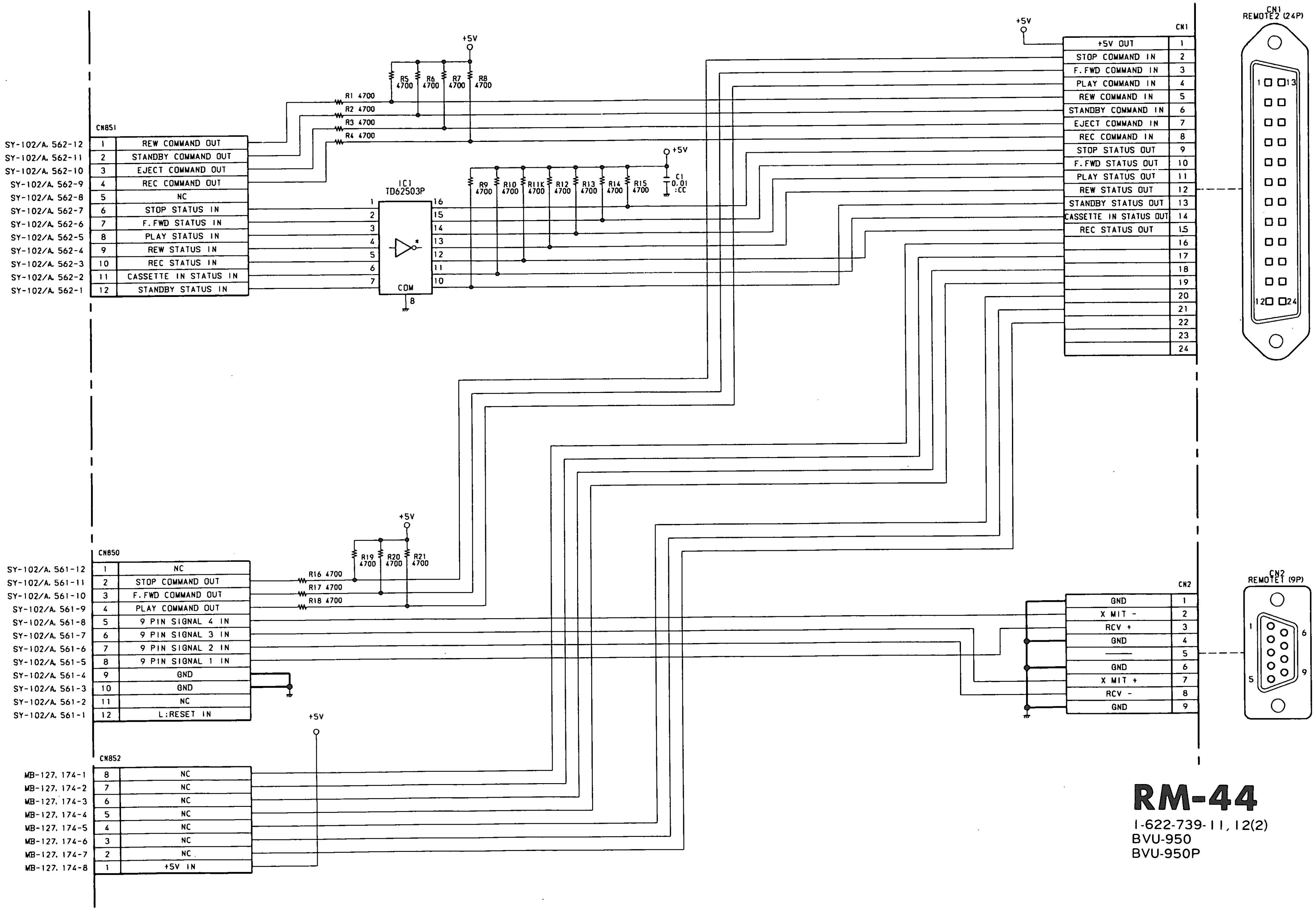
S/N 11026 AND HIGHER (J)
S/N 13941 AND HIGHER (UC)
S/N 10046 AND HIGHER (BRZ)



PTC-32; SEARCH DIAL



RM-44; REMOTE CONTROL



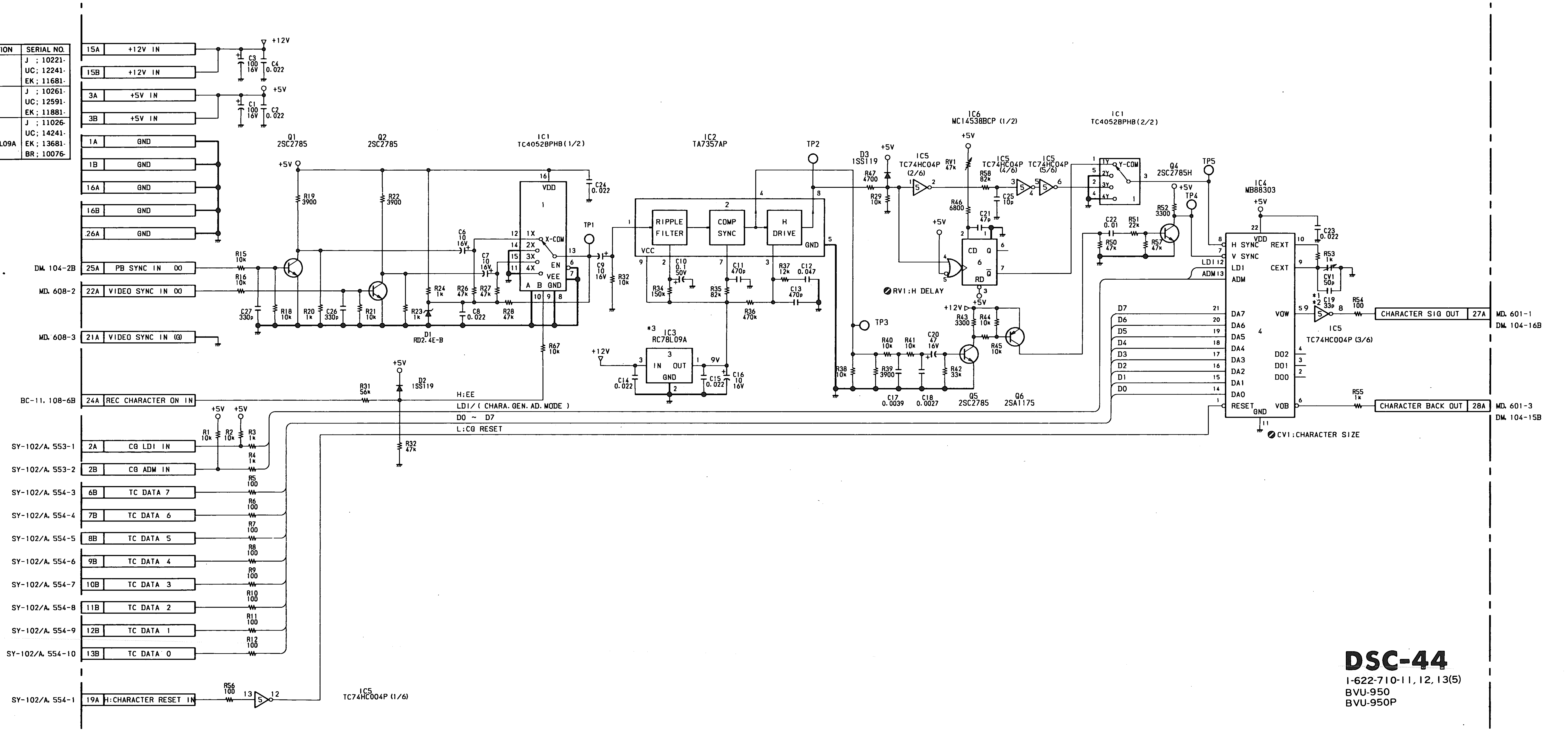
RM-44

1-622-739-11, 12(2)
BVU-950
BVU-950P

DSC-44; CHARACTER GENERATOR

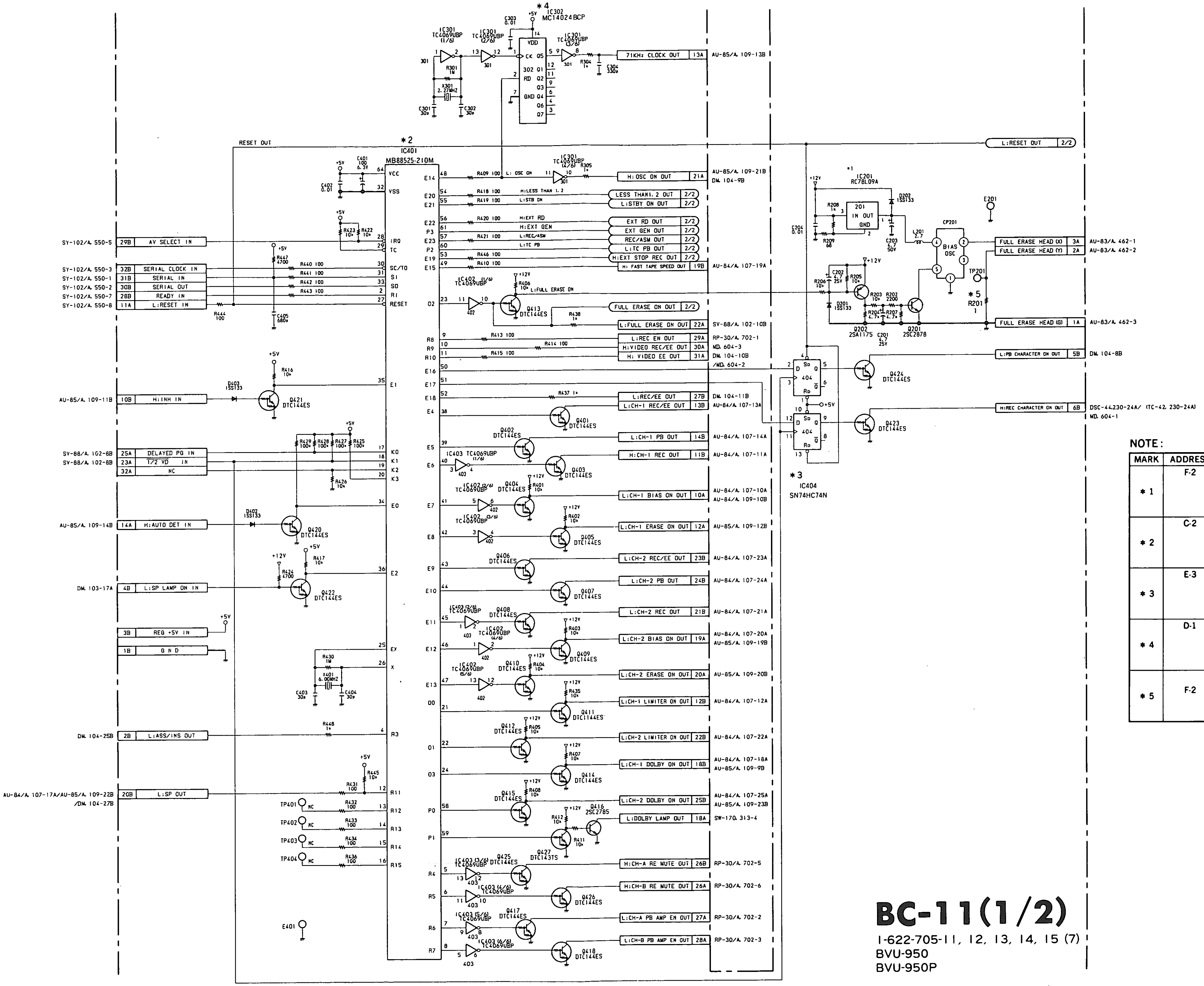
NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
*1	J-3	C19 CHANGED 47PF → 39PF	J ; 10221- UC ; 12241- EK ; 11681-
*2	J-3	C19 CHANGED 39PF → 33PF	J ; 10261- UC ; 12591- EK ; 11881-
*3	F-3	IC3 CHANGED NJM78L09A → RC78L09A	J ; 11026- UC ; 14241- EK ; 13681- BR ; 10076-



DSC-44
1-622-710-11, 12, 13(5)
BVU-950
BVU-950P

BC-11(1/2); VIDEO/AUDIO TIMING CONTROL
FULL ERASE OSCILLATOR



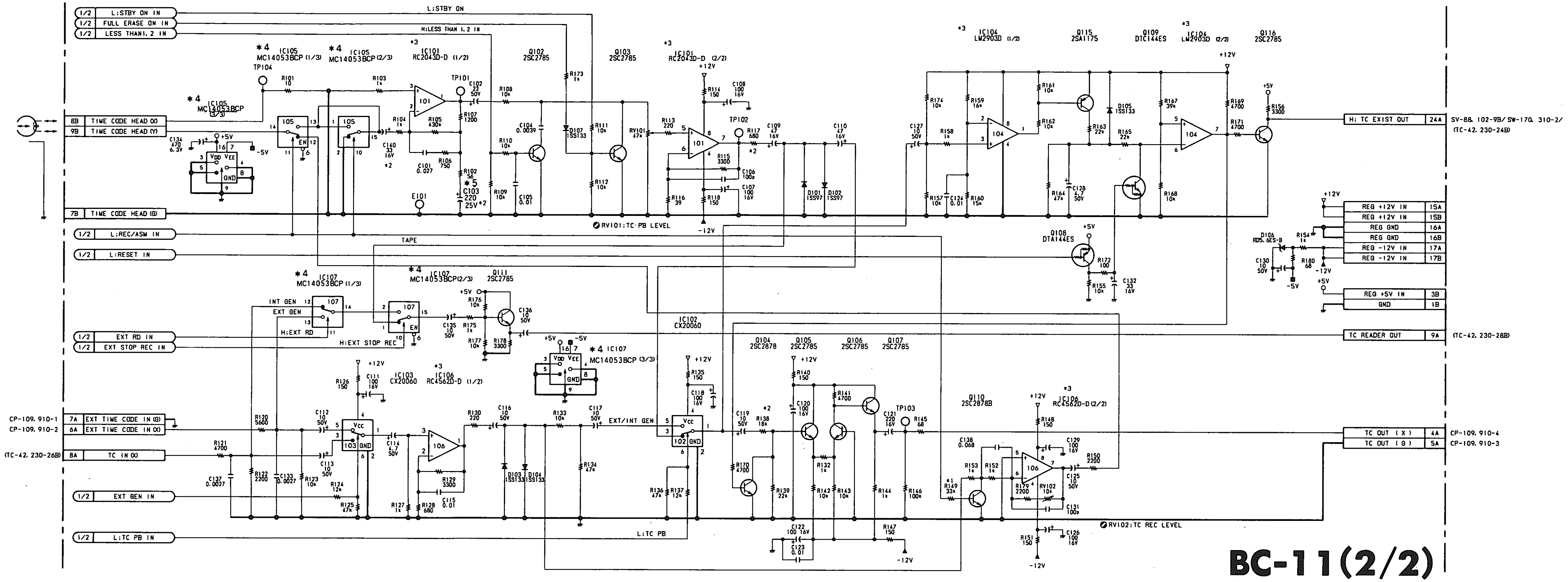
NOTE :

MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
＊1	F-2	IC201 CHANGED NJM78L09A ↓ RC78L09A	J ; 11026- UC ; 14241- EK ; 13681- BR ; 10076-
＊2	C-2	IC401 CHANGED MB88525-179M ↓ MB88525-210M	J ; 11176- UC ; 14941- EK ; 13731- BR ; 10076-
＊3	E-3	IC404 CHANGED TC74HC74P ↓ SN74HC74N	J ; 11326- UC ; 15291- EK ; 13731- BR ; 10076-
＊4	D-1	IC302 CHANGED TC4024BP ↓ MC14024BCP	J ; 11446- UC ; 15966- EK ; 13991- BR ; 10111-
＊5	F-2	R201 CHANGED 2.2 → 1	J ; 11596- UC ; 16586- EK ; 14271- BR ; 10131-

BC-11(1/2)

1-622-705-11, 12, 13, 14, 15 (7)
BVU-950
BVU-950P

BC-11(2/2); TIME CODE REC/PB AMPLIFIER



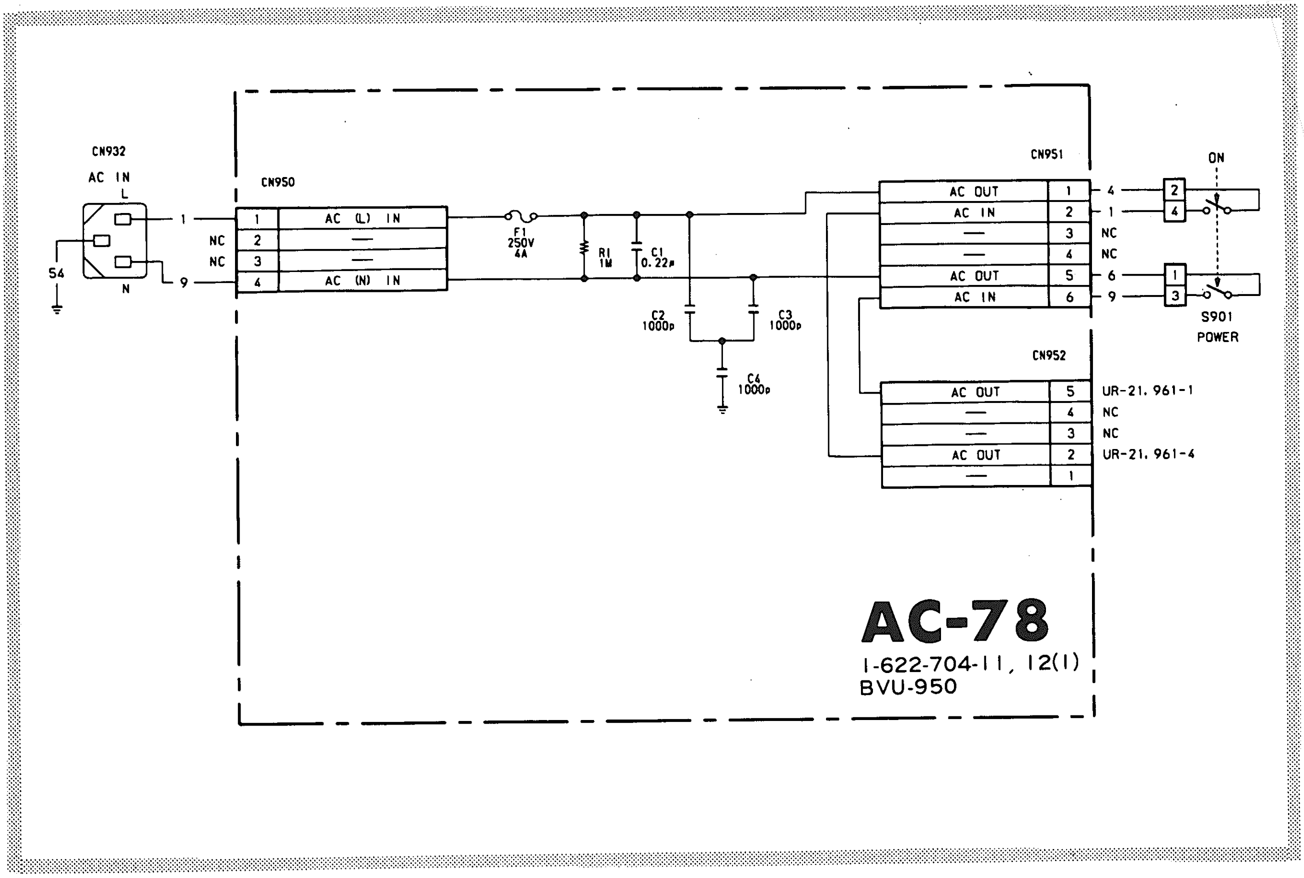
BC-11(2/2)

1-622-705-11, 12, 13, 14, 15 (8)
BVU-950
BVU-950P

NOTE:

MARK	ADDRESS	CHANGE INFORMATION	SERIAL NO.
*1	E-3	R149 CHANGED 47K → 33K	J ; 10756- UC; 13691- EK; 12231-
*2	C-2 C-2 D-2 D-3	C140 ADDED 33/16V C103 CHANGED 470/6.3V → 100/16V R117 CHANGED 220 → 680 R138 CHANGED 22K → 18K	J ; 11026- UC; 13691- EK; 12731- BR; 10046-
*3	D-2 F-2 F-4	IC101 CHANGED NJM2043D-D → RC2043D-D IC104 CHANGED NJM2903D → LM2903D IC106 CHANGED NJM4562D-D → RC4562D-D	J ; 11026- UC; 14241- EK; 13681- BR; 10076-
*4	B-2 C-3	IC105 CHANGED TC4053BP → MC14053BCP IC107 CHANGED TC4053BP → MC14053BCP	J ; 11446- UC; 15966- EK; 13991- BR; 10111-
*5	C-2	C103 CHANGED 100/16V → 220/25V	J ; 11566- UC; 16476- EK; 14271- BR; 10131-

AC-78; AC PRIMARY CIRCUIT



NOTE:

The shaded and ⚠ -marked components are critical to safety.
Replace only with same components as specified.

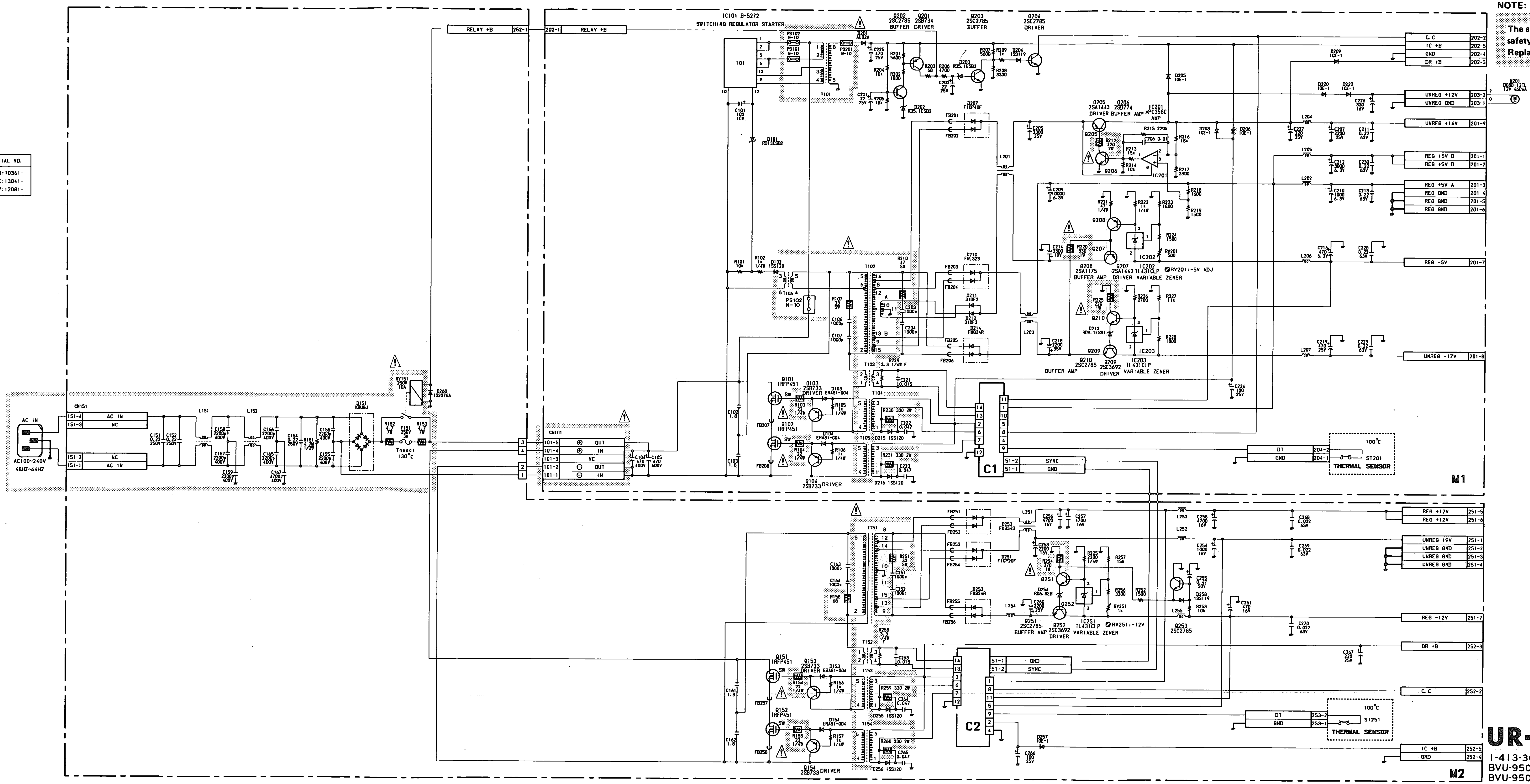
UR-21; SWITCHING REGULATOR
M1
M2

NOTE:

The shaded and ⚠-marked components are critical to safety.
Replace only with same components as specified.

NOTE;

MARK	CHANGE INFORMATION	SERIAL NO.
*1	ADDED PS102 N-10	J:10361- UC:13041- P:12081-



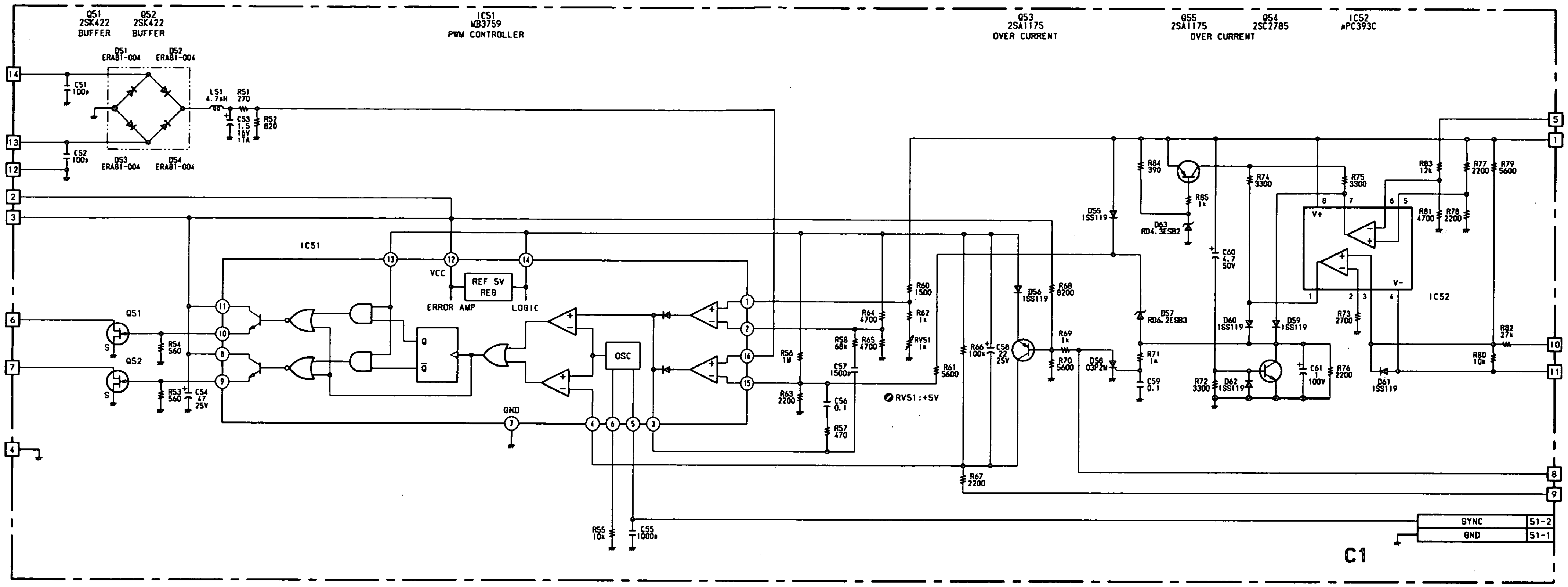
UR-21(1/2)

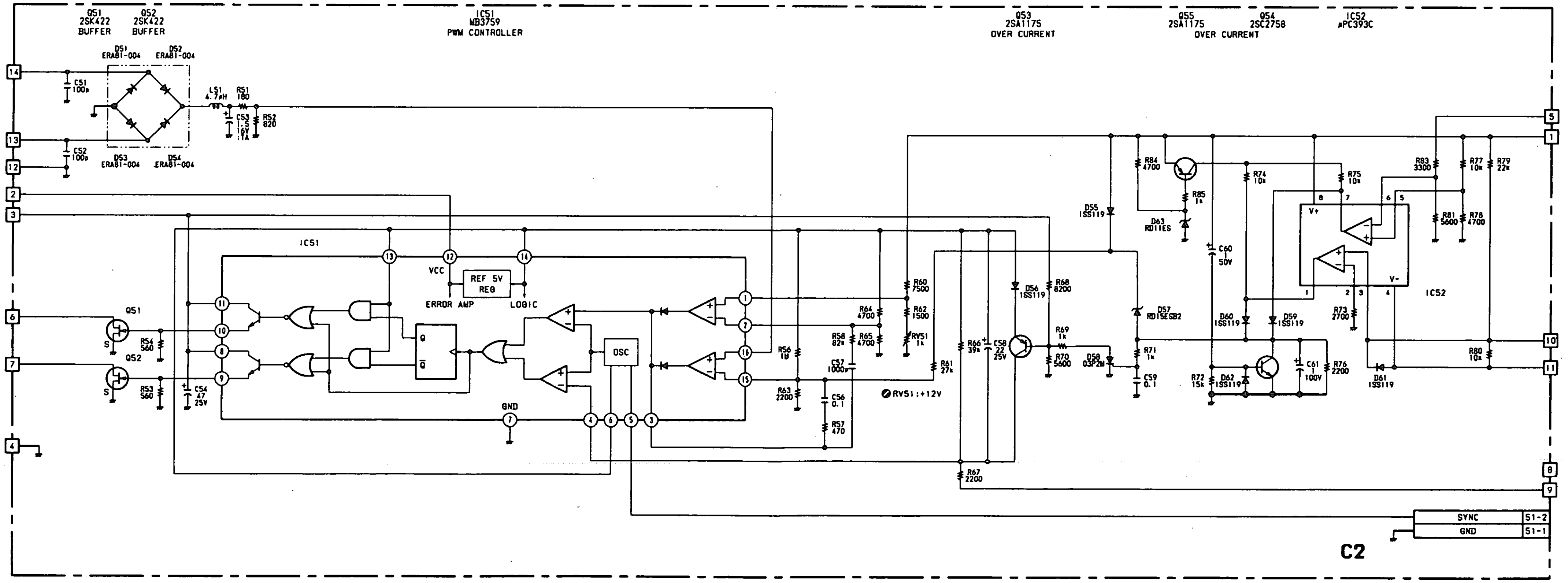
1-413-307-13(1)
BVU-950
BVU-950P

UR-21; SWITCHING REGULATOR

C1

C2

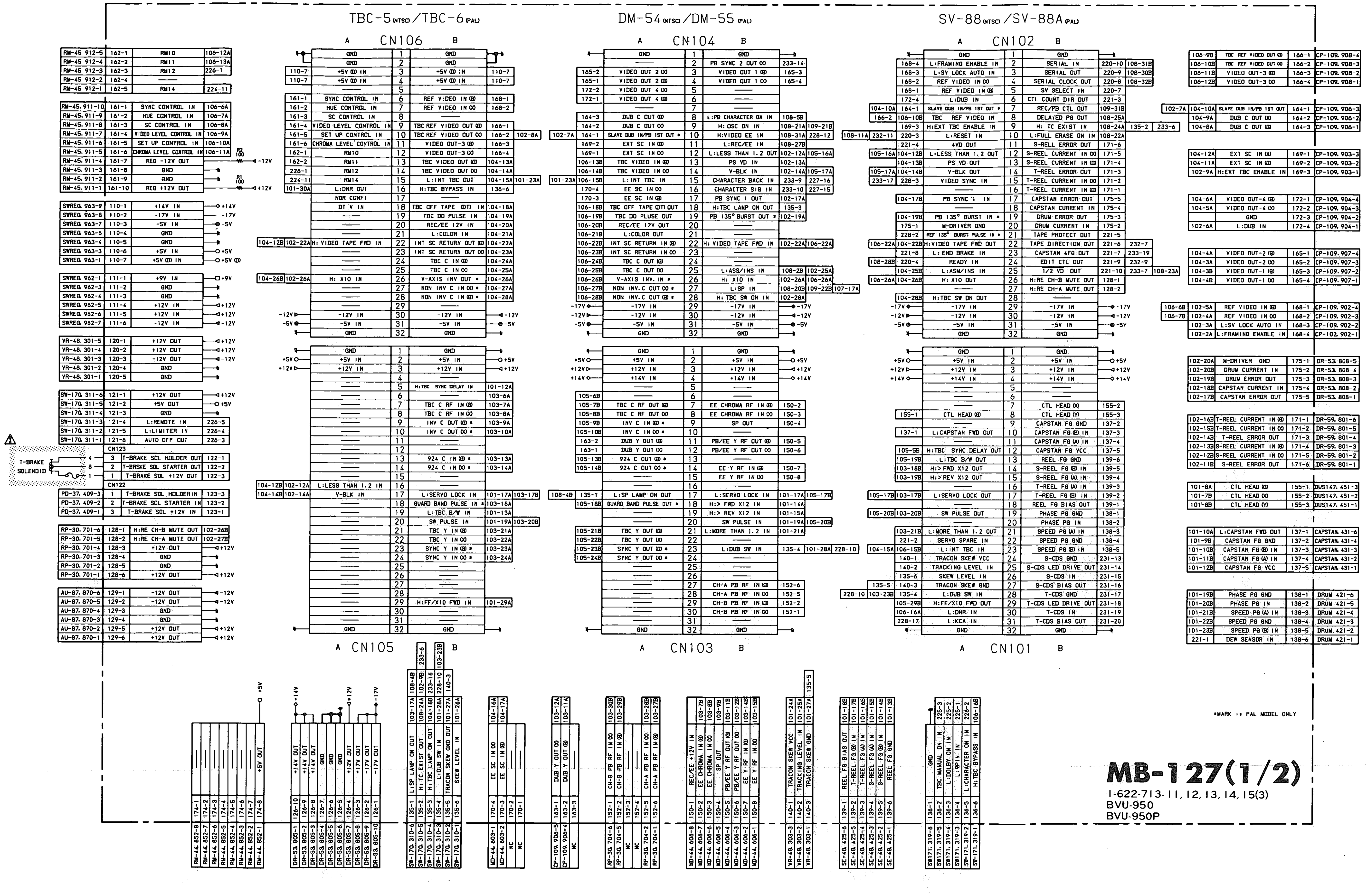




UR-21(2/2)

1-413-307-13(1)
BVU-950
BVU-950P

MB-127(1/2); MOTHER BOARD



MB-127(1/2)
1-622-713-11, 12, 13, 14, 15(3)
BVU-950
BVU-950P

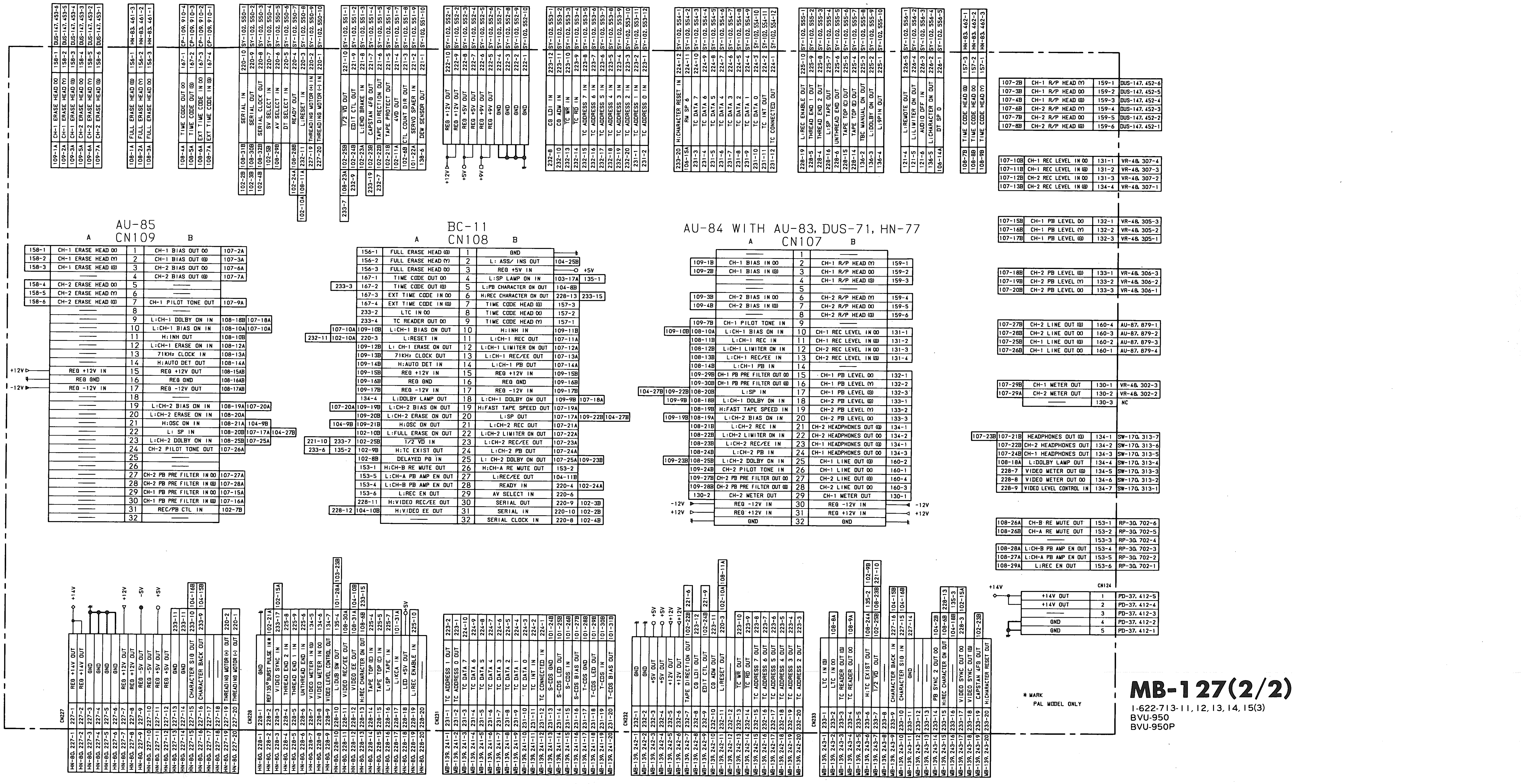
NOTE:

The shaded and ⚠-marked components are critical to safety.
Replace only with same components as specified.

1 2 3 4 5

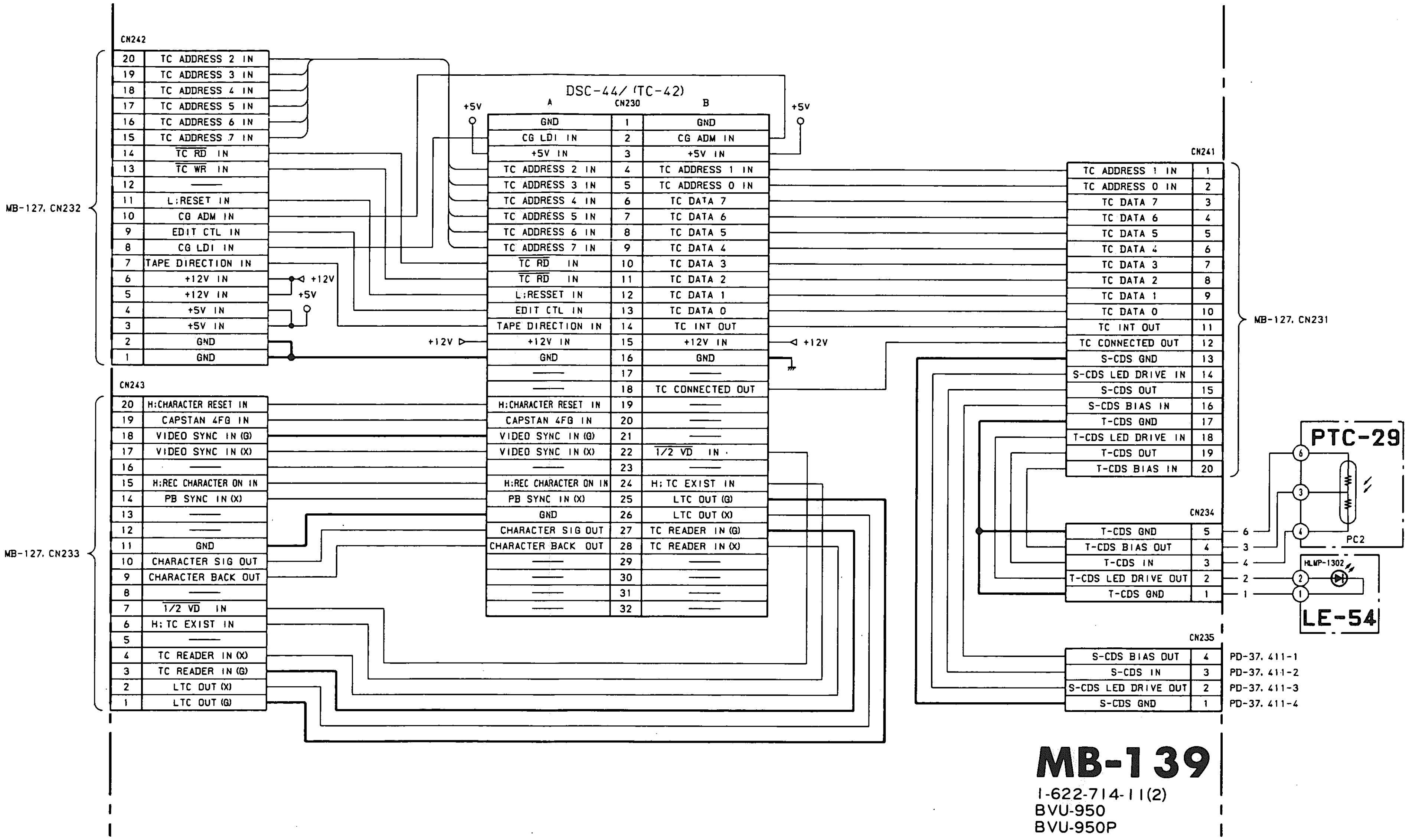
A B C D E F G H I J K L

MB-127(2/2); MOTHER BOARD

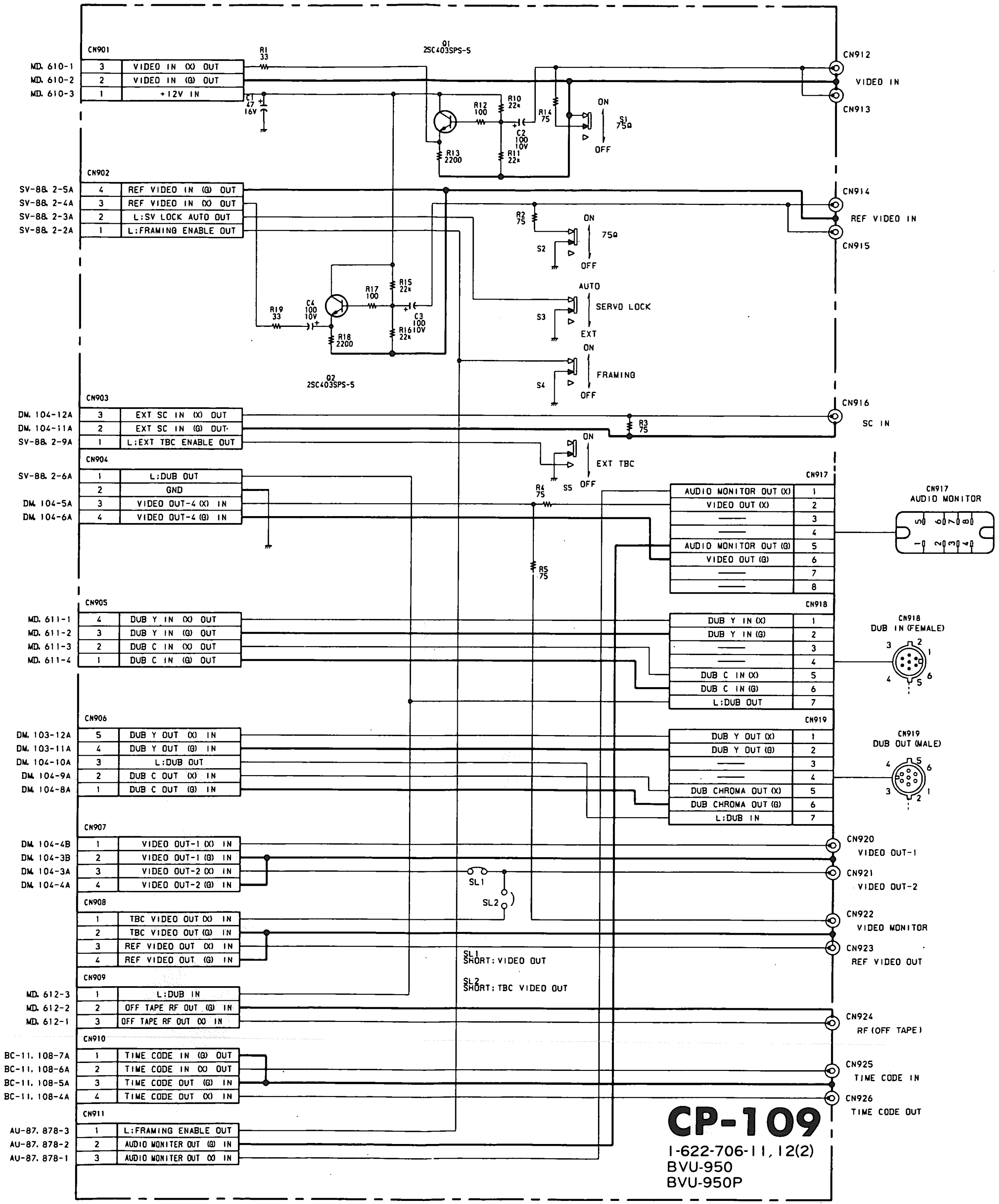


MB-127(2/2)
1-622-713-11, 12, 13, 14, 15(3)
BVU-950
BVU-950P

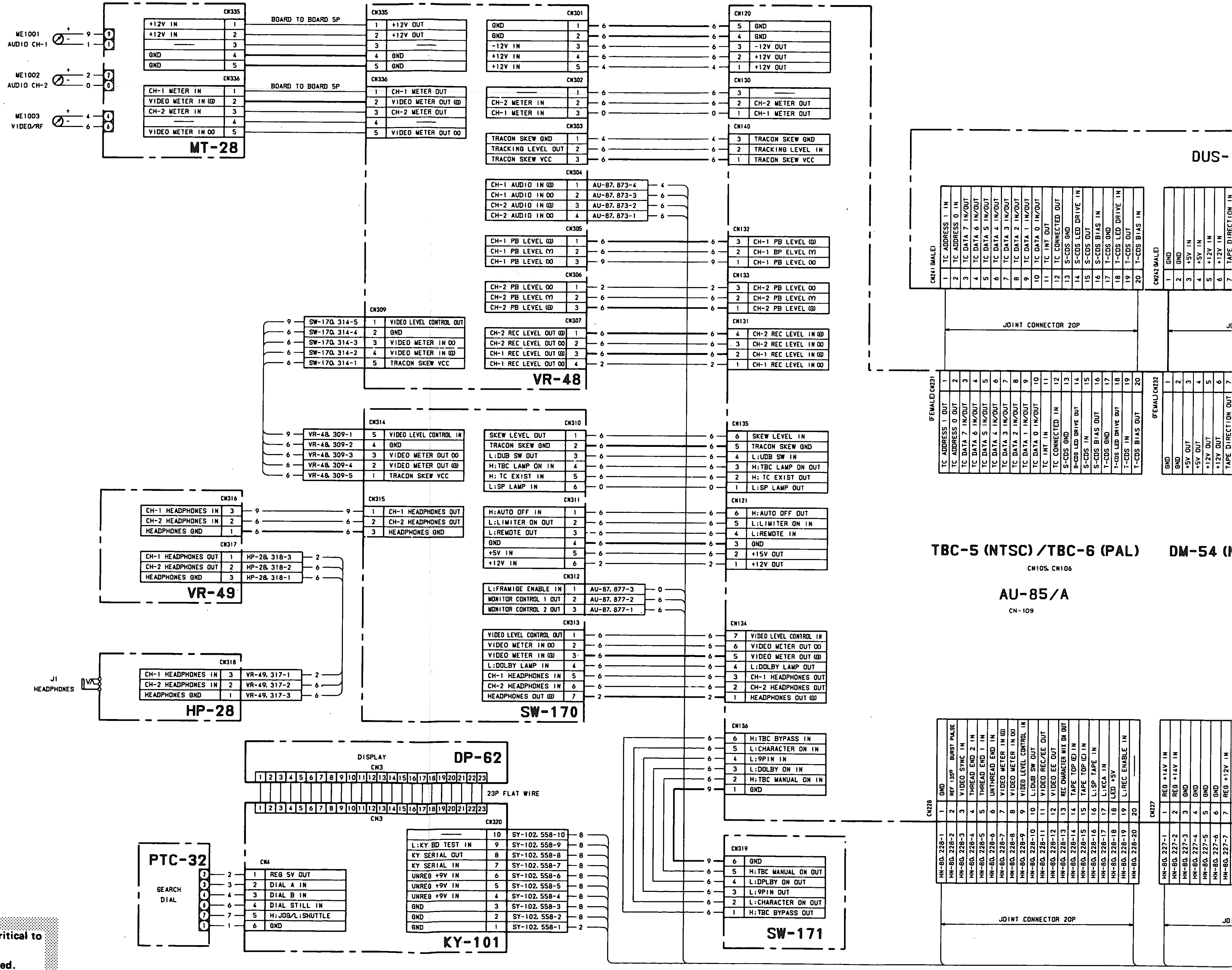
LE-54; T-TENSION LED
MB-139; SUB MOTHER FOR TC
PTC-29; T-TENSION CDS



CP-109; CONNECTOR PANNEL

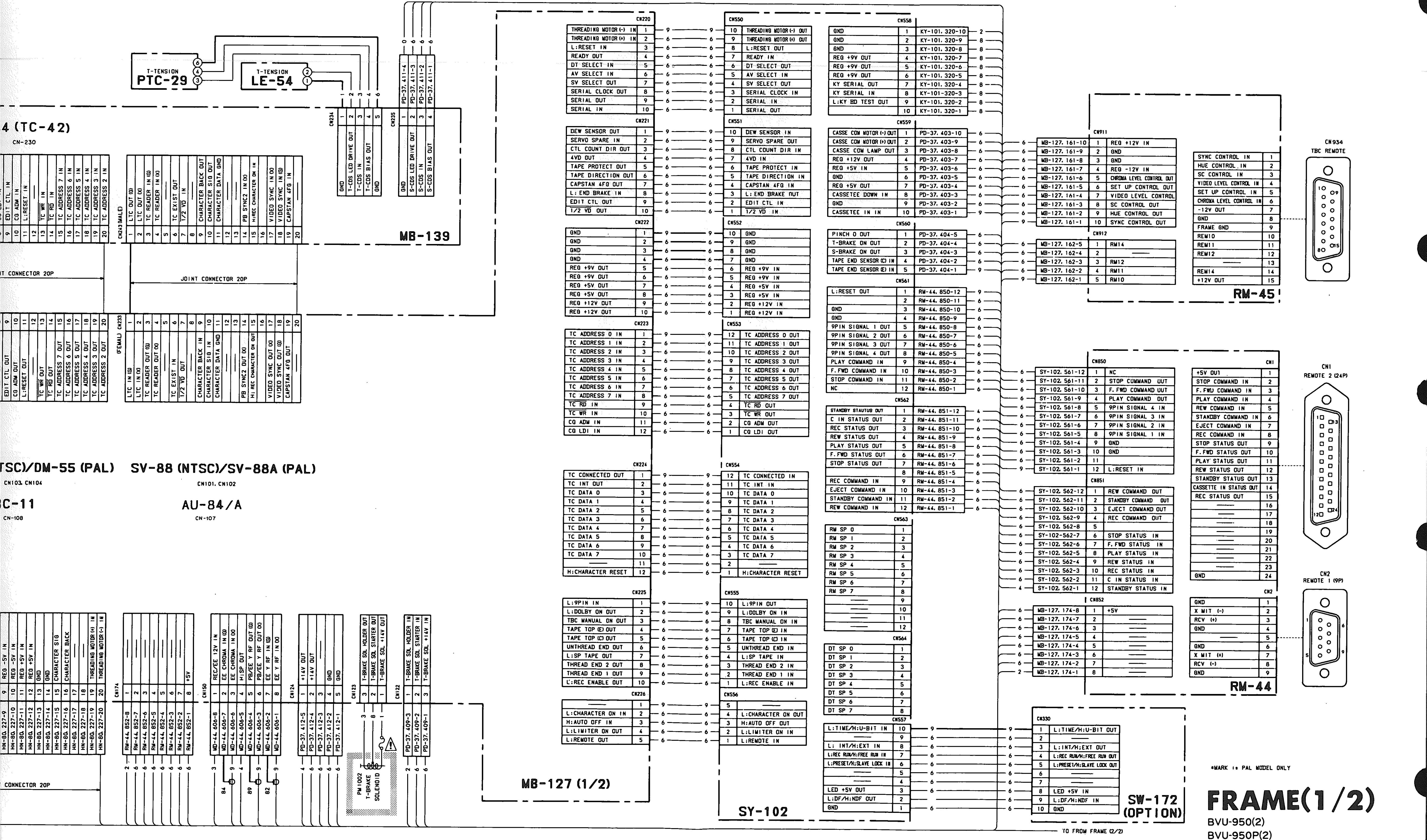

CN901
MD. 610-1 | 3 | VIDEO IN (X) OUT
MD. 610-2 | 2 | VIDEO IN (G) OUT
MD. 610-3 | 1 | +12V IN
R1 33
C1 47 16V
Q1 2SC403SPS-5
R12 100
R10 22k
R14 75
C2 100 10V
R13 2200
R11 22k
ON
S1 75Ω
OFF
CN912
VIDEO IN
CN913
CN902
SV-88, 2-5A | 4 | REF VIDEO IN (G) OUT
SV-88, 2-4A | 3 | REF VIDEO IN (X) OUT
SV-88, 2-3A | 2 | L:SV LOCK AUTO OUT
SV-88, 2-2A | 1 | L:FRAMING ENABLE OUT
CN914
REF VIDEO IN
CN915
R2 75
S2
ON
75Ω
OFF
R15 22k
R17 100
R19 33
C4 100 10V
C3 100 10V
R16 22k
R18 2200
Q2 2SC403SPS-5
AUTO
SERVO LOCK
S3
EXT
ON
FRAMING
S4
OFF
CN903
DM. 104-12A | 3 | EXT SC IN (X) OUT
DM. 104-11A | 2 | EXT SC IN (G) OUT
SV-88, 2-9A | 1 | L:EXT TBC ENABLE OUT
CN916
SC IN
R3 75
ON
EXT TBC
R4 75
S5
OFF
CN904
SV-88, 2-6A | 1 | L:DUB OUT
2 | GND
DM. 104-5A | 3 | VIDEO OUT-4 (X) IN
DM. 104-6A | 4 | VIDEO OUT-4 (G) IN
R5 75
CN917
AUDIO MONITOR OUT (X) | 1
VIDEO OUT (X) | 2
—— | 3
| 4
AUDIO MONITOR OUT (G) | 5
VIDEO OUT (G) | 6
—— | 7
—— | 8
CN917 AUDIO MONITOR
CN905
MD. 611-1 | 4 | DUB Y IN (X) OUT
MD. 611-2 | 3 | DUB Y IN (G) OUT
MD. 611-3 | 2 | DUB C IN (X) OUT
MD. 611-4 | 1 | DUB C IN (G) OUT
CN918
DUB Y IN (X) | 1
DUB Y IN (G) | 2
—— | 3
—— | 4
DUB C IN (X) | 5
DUB C IN (G) | 6
L:DUB OUT | 7
CN918 DUB IN (FEMALE)
CN906
DM. 103-12A | 5 | DUB Y OUT (X) IN
DM. 103-11A | 4 | DUB Y OUT (G) IN
DM. 104-10A | 3 | L:DUB OUT
DM. 104-9A | 2 | DUB C OUT (X) IN
DM. 104-8A | 1 | DUB C OUT (G) IN
CN919
DUB Y OUT (X) | 1
DUB Y OUT (G) | 2
—— | 3
—— | 4
DUB CHROMA OUT (X) | 5
DUB CHROMA OUT (G) | 6
L:DUB IN | 7
CN919 DUB OUT (MALE)
CN907
DM. 104-4B | 1 | VIDEO OUT-1 (X) IN
DM. 104-3B | 2 | VIDEO OUT-1 (G) IN
DM. 104-3A | 3 | VIDEO OUT-2 (X) IN
DM. 104-4A | 4 | VIDEO OUT-2 (G) IN
CN920 VIDEO OUT-1
CN921 VIDEO OUT-2
SL1
SL2
CN908
1 | TBC VIDEO OUT (X) IN
2 | TBC VIDEO OUT (G) IN
3 | REF VIDEO OUT (X) IN
4 | REF VIDEO OUT (G) IN
CN922 VIDEO MONITOR
CN923 REF VIDEO OUT
SL1 SHORT: VIDEO OUT
SL2 SHORT: TBC VIDEO OUT
CN909
MD. 612-3 | 1 | L:DUB IN
MD. 612-2 | 2 | OFF TAPE RF OUT (G) IN
MD. 612-1 | 3 | OFF TAPE RF OUT (X) IN
CN924 RF (OFF TAPE)
CN910
BC-11, 108-7A | 1 | TIME CODE IN (G) OUT
BC-11, 108-6A | 2 | TIME CODE IN (X) OUT
BC-11, 108-5A | 3 | TIME CODE OUT (G) IN
BC-11, 108-4A | 4 | TIME CODE OUT (X) IN
CN925 TIME CODE IN
CN926 TIME CODE OUT
CN911
AU-87, 878-3 | 1 | L:FRAMING ENABLE OUT
AU-87, 878-2 | 2 | AUDIO MONITER OUT (G) IN
AU-87, 878-1 | 3 | AUDIO MONITER OUT (X) IN
CP-109
1-622-706-11, 12(2)
BVU-950
BVU-950P

FRAME(1/2)



NOTE:

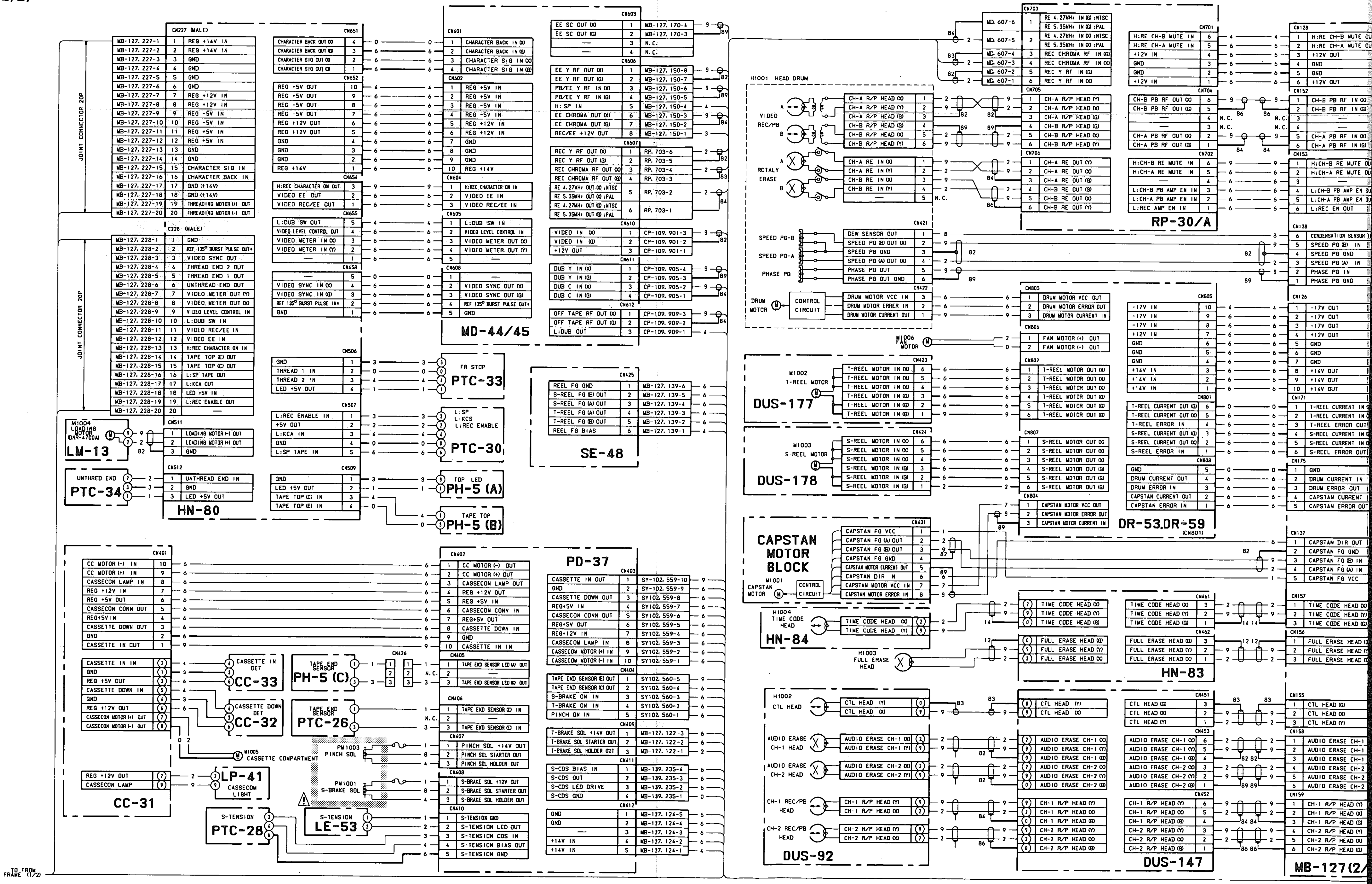
The shaded and ⚠ -marked components are critical to safety.
Replace only with same components as specified.

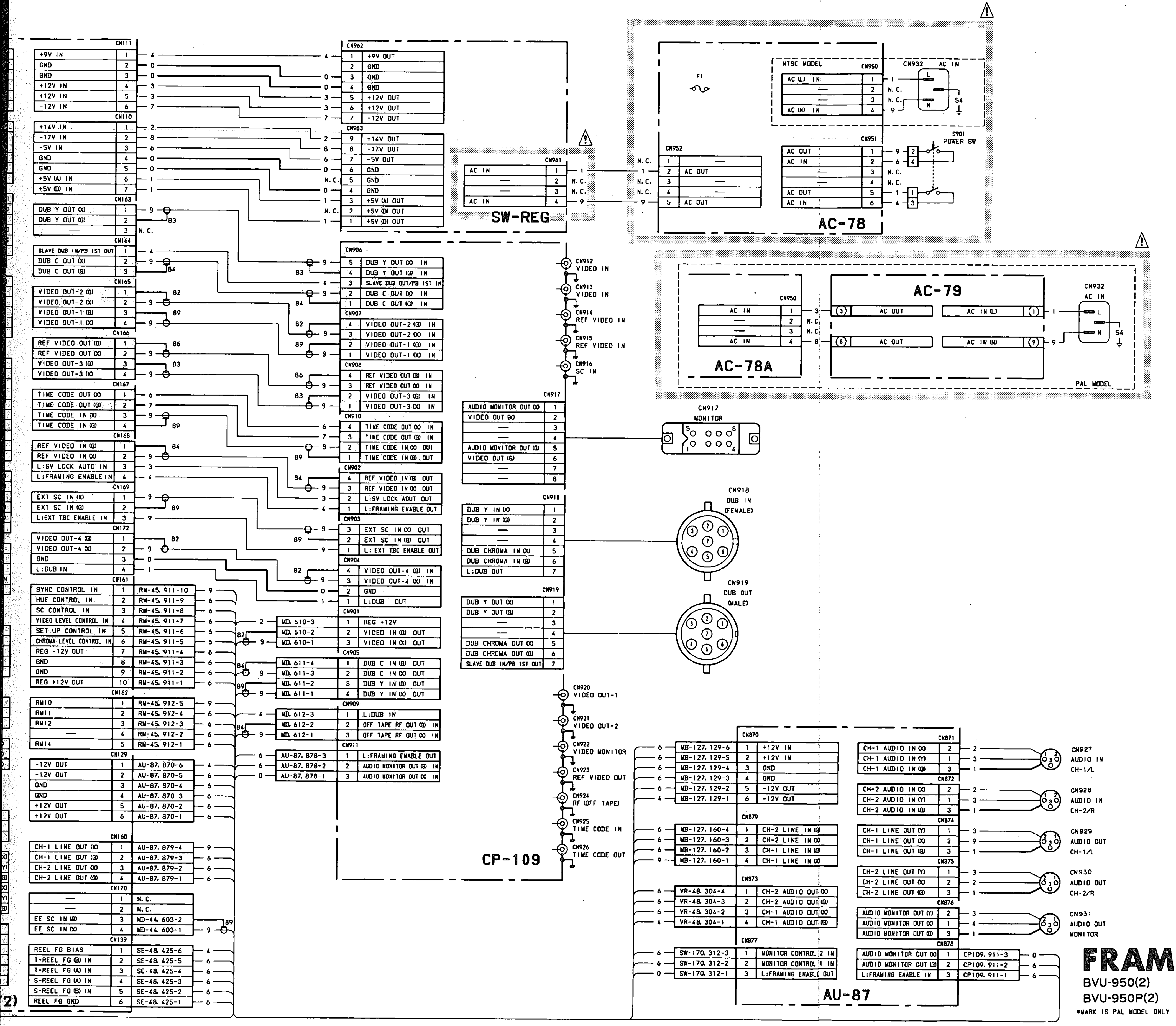


FRAME(1/2)

BVU-950(2)
BVU-950P(2)

FRAME(2/2)


JOINT CONNECTOR 20P
JOINT CONNECTOR 20P
CN227 (MALE)
CN228 (MALE)
MD-44/45
PTC-33
FR STOP
PTC-30
L:SP
L:KCS
L:REC ENABLE
PH-5 (A)
TOP LED
PH-5 (B)
TAPE TOP
SE-48
M1004
LOADING MOTOR
(DNR-4700A)
LM-13
UNTHRED END
PTC-34
HN-80
PD-37
CASSETTE IN DET
CC-33
TAPE END SENSOR
PH-5 (C)
CASSETTE DOWN DET
CC-32
TAPE END SENSOR
PTC-26
M1005
CASSETTE COMPARTMENT
PM1003
PINCH SOL
PM1001
S-BRAKE SOL
LP-41
CASSECOM LIGHT
CC-31
S-TENSION
PTC-28
S-TENSION
LE-53
H1001 HEAD DRUM
VIDEO REC/PB
ROTALY ERASE
SPEED PG-B
SPEED PG-A
PHASE PG
DRUM MOTOR
CONTROL CIRCUIT
M1006
FAN MOTOR
RP-30/A
M1002
T-REEL MOTOR
DUS-177
M1003
S-REEL MOTOR
DUS-178
DR-53,DR-59
(CN801)
CAPSTAN MOTOR BLOCK
M1001
CAPSTAN MOTOR
CONTROL CIRCUIT
H1004
TIME CODE HEAD
HN-84
H1003
FULL ERASE HEAD
HN-83
H1002
CTL HEAD
AUDIO ERASE CH-1 HEAD
AUDIO ERASE CH-2 HEAD
CH-1 REC/PB HEAD
CH-2 REC/PB HEAD
DUS-92
DUS-147
MB-127(2/
TO FROM
FRAME (1/2)



NOTE:

The shaded and ⚠-marked components are critical to safety.
Replace only with same components as specified.

FRAME(2/2)

BVU-950(2)
BVU-950P(2)
*MARK IS PAL MODEL ONLY

SECTION 17
PRINTED WIRING BOARDS

The circuit information is provided below.

System	Board	Circuit function
VIDEO	RP-30	RF REC/PB /rotary erase
	MD-44	Y/C modulator
	DL-22	Delay line
	DM-54	Y/C demodulator
	SW-170	Video level MANU/AUTO select
	VR-48	Video level control
	MT-28	Video level meter
AUDIO	AU-83	CH-1 REC/PB /DOLBY processor
	DUS-71	Variable coil
	AU-84	CH-2 REC/PB
	DUS-71	Variable coil
	HN-77	Junction board
	AU-85	DOLBY auto detector, bias oscillator
	SW-171	DOLBY ON/OFF switch
	AU-87	Mic/output/monitor amplifier
	VR-48	REC/PB level control
	MT-28	Audio level meter
	VR-49	Headphones level control
	HP-28	Headphones
	DUS-92	Audio head
	DUS-147	Junction board for audio head
	BC-11	Full erase oscillator
	SW-170	Audio monitor select
SERVO	SV-88	Drum/capstan/reel servo
	SV-113	Drum/capstan/reel servo
	SE-48	Reel rotation detector
	DR-53	Motor driver for reel/capstan/drum
	DR-59	Motor driver for reel
	PTC-28	S-tension CDS
	LE-53	S-tension LED
	PTC-29	T-tension CDS
	LE-54	T-tension LED
	DUS-177	T-reel motor
	DUS-178	S-reel motor
	VR-48	Tracking control

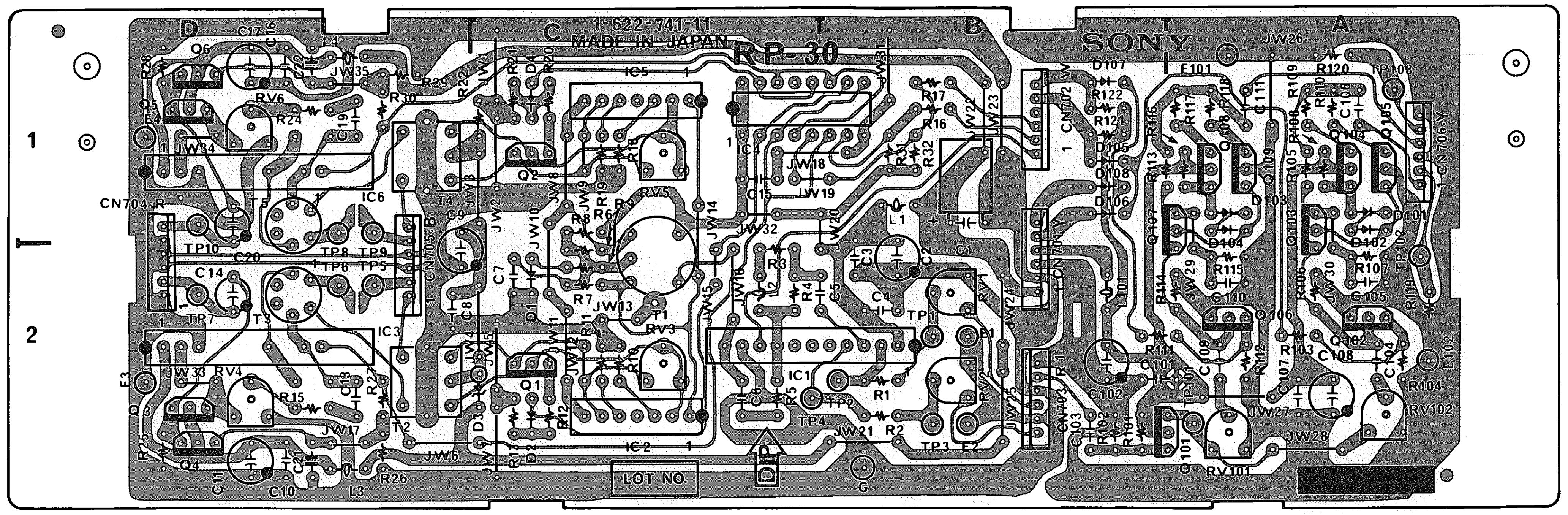
System	Board	Circuit function
SYSCON	SY-102	System control
	KY-101	Function key board
	DP-62	Display
	BC-11	Video/audio timing control
	HN-80	Threading motor driver
	LM-13	Threading motor
	PD-37	Cassette-up compartment motor driver/Solenoid driver
	CC-31/CC-36	Cassette compartment driver
	CC-32/CC-36	Cassette down detector
	CC-33/CC-37	Cassette in detector
	PTC-30	SP, miss REC. KCA detector
	PTC-33	FR stop detector
	PTC-34	Unthread end detector
	PH-5(A)	Tape top LED
	PH-5(B)	Tape top sensor
	PH-5(C)	Tape end LED
	PTC-26	Tape end sensor
	SW-170	Select switch /warning indicator
	SW-171	Remote 1/2 Select /TBC ON/OFF /Character ON/OFF
	PTC-32	Search dial
	RM-44	Remote control (9pin & 24pin)
	DSC-44	Character generator
TIME CODE	TC-42	Time code (Option)
	BC-11	Time code REC/PB amplifier
	HN-84	Time code head
	SW-172	Time code control Switch (Option)
POWER	AC-78	AC primary circuit
	M1	Switching Regulator (UR-21)
	M2	
	C1	
	C2	
OTHERS	MB-127	Mother board
	MB-139	Sub mother for TC
	CP-109	Connector pannel
	RM-45	TBC remote control
	AC-78	AC primary circuit
	EX-127	Extention board for audio/time code
	EX-128	Extention board for video/servo/TBC
	HN-80	Relay board for video/tape sensor/thread motor drive
	HN-83	Relay board for time code head/erase head
	MT-28	Meter
	LP-41	Cassette compartment light
	TBC-5	Time base corrector (Option)
	DUS-151	Connection (Option)

RP-30; RF REC/PB /ROTARY ERASE

S/N UP TO 10020(J)
S/N UP TO 10080(UC)

RP-30 (1-622-741-11)

CN701	B-2
CN702	B-1
CN703	B-2
CN704	D-2
CN705	D-2
CN706	A-1
D1	C-2
D2	C-2
D3	C-2
D4	C-1
D101	A-1
D102	A-1
D103	A-1
D104	A-1
D105	B-1
D106	B-1
D107	B-1
D108	B-1
E1	B-2
E2	B-2
E3	D-2
E4	D-1
E101	A-1
E102	A-2
IC1	C-2
IC2	C-2
IC3	D-2
IC4	C-1
IC5	C-1
IC6	D-1
Q1	C-2
Q2	C-1
Q3	D-2
Q4	D-2
Q5	D-1
Q6	D-1
Q101	A-2
Q102	A-2
Q103	A-1
Q104	A-1
Q105	A-1
Q106	A-2
Q107	A-1
Q108	A-1
Q109	A-1
RV1	B-2
RV2	B-2
RV3	C-2
RV4	D-2
RV5	C-1
RV6	D-1
RV101	A-2
RV102	A-2
T1	C-2
T2	D-2
T3	D-2
T4	D-1
T5	D-1
TP1	B-2
TP2	B-2
TP3	B-2
TP4	C-2
TP5	D-2
TP6	D-2
TP7	D-2
TP8	D-1
TP9	D-1
TP10	D-1
TP101	A-2
TP102	A-2
TP103	A-1



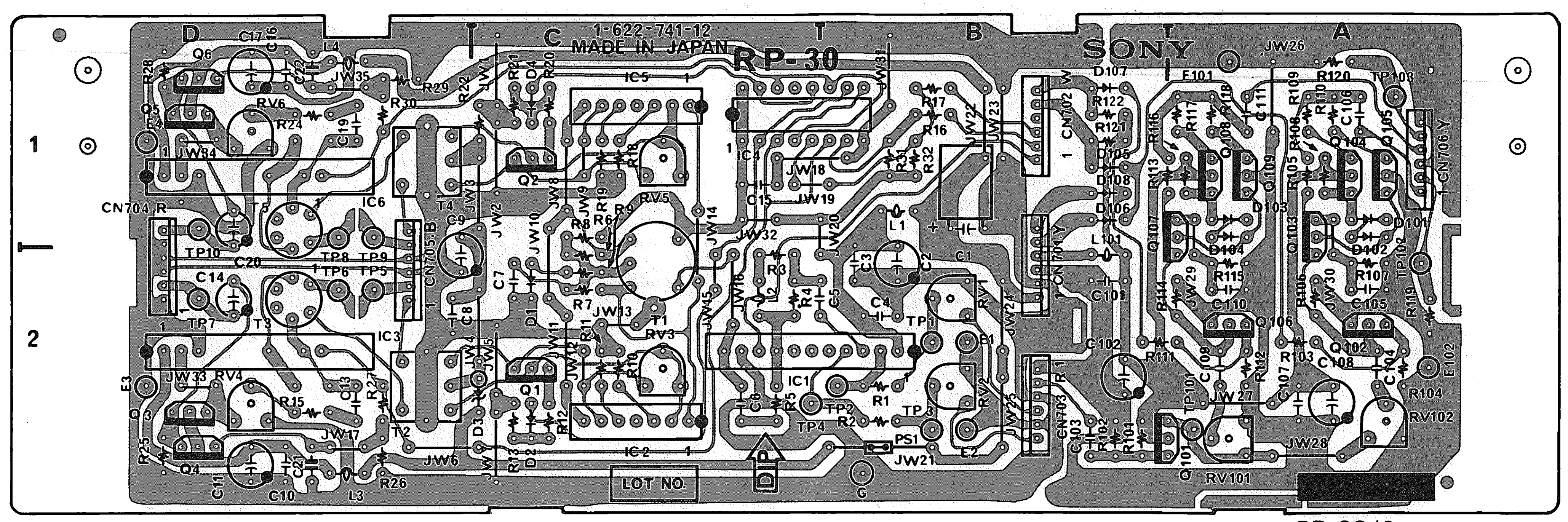
RP-30/A —COMPONENT SIDE—
1-622-741-11(1)
BVU-950
BVU-950P

RP-30: RF REC/PB /ROTARY ERASE

S/N 10021 TO 10260(J)
S/N 10081 TO 12240(UC)

RP-30 (1-622-741-12)

CN701	B-2
CN702	B-1
CN703	B-2
CN704	D-2
CN705	D-2
CN706	A-1
D1	C-2
D2	C-2
D3	C-2
D4	C-1
D101	A-1
D102	A-1
D103	A-1
D104	A-1
D105	B-1
D106	B-1
D107	B-1
D108	B-1
E1	B-2
E2	B-2
E3	D-2
E4	D-1
E101	A-1
E102	A-2
IC1	C-2
IC2	C-2
IC3	D-2
IC4	C-1
IC5	C-1
IC6	D-1
Q1	C-2
Q2	C-1
Q3	D-2
Q4	D-2
Q5	D-1
Q6	D-1
Q101	A-2
Q102	A-2
Q103	A-1
Q104	A-1
Q105	A-1
Q106	A-2
Q107	A-1
Q108	A-1
Q109	A-1
RV1	B-2
RV2	B-2
RV3	C-2
RV4	D-2
RV5	C-1
RV6	D-1
RV101	A-2
RV102	A-2
T1	C-2
T2	D-2
T3	D-2
T4	D-1
T5	D-1
TP1	B-2
TP2	B-2
TP3	B-2
TP4	C-2
TP5	D-2
TP6	D-2
TP7	D-2
TP8	D-1
TP9	D-1
TP10	D-1
TP101	A-2
TP102	A-2
TP103	A-1

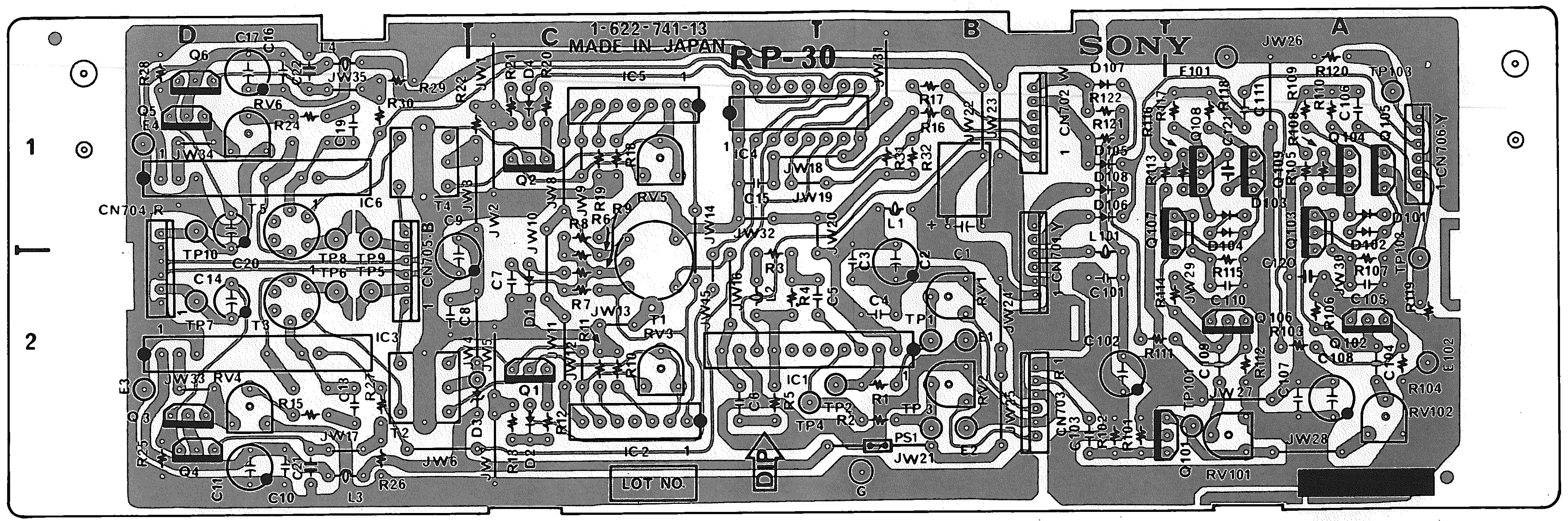


RP-30/A —COMPONENT SIDE—
1-622-741-12(1)
BVU-950
BVU-950P

RP-30; RF REC/PB /ROTARY ERASE S/N 12241 TO 12590(UC)

RP-30(1-622-741-13)

CN701	B-2	T1	C-2
CN702	B-1	T2	D-2
CN703	B-2	T3	D-2
CN704	D-2	T4	D-1
CN705	D-2	T5	D-1
CN706	A-1		
		TP1	B-2
D1	C-2	TP2	B-2
D2	C-2	TP3	B-2
D3	C-2	TP4	C-2
D4	C-1	TP5	D-2
D101	A-1	TP6	D-2
D102	A-1	TP7	D-2
D103	A-1	TP8	D-1
D104	A-1	TP9	D-1
D105	B-1	TP10	D-1
D106	B-1	TP101	A-2
D107	B-1	TP102	A-2
D108	B-1	TP103	A-1
E1	B-2		
E2	B-2		
E3	D-2		
E4	D-1		
E101	A-1		
E102	A-2		
IC1	C-2		
IC2	C-2		
IC3	D-2		
IC4	C-1		
IC5	C-1		
IC6	D-1		
Q1	C-2		
Q2	C-1		
Q3	D-2		
Q4	D-2		
Q5	D-1		
Q6	D-1		
Q101	A-2		
Q102	A-2		
Q103	A-1		
Q104	A-1		
Q105	A-1		
Q106	A-2		
Q107	A-1		
Q108	A-1		
Q109	A-1		
RV1	B-2		
RV2	B-2		
RV3	C-2		
RV4	D-2		
RV5	C-1		
RV6	D-1		
RV101	A-2		
RV102	A-2		



RP-30/A —COMPONENT SIDE—
1-622-741-13(1)
BVU-950
BVU-950P

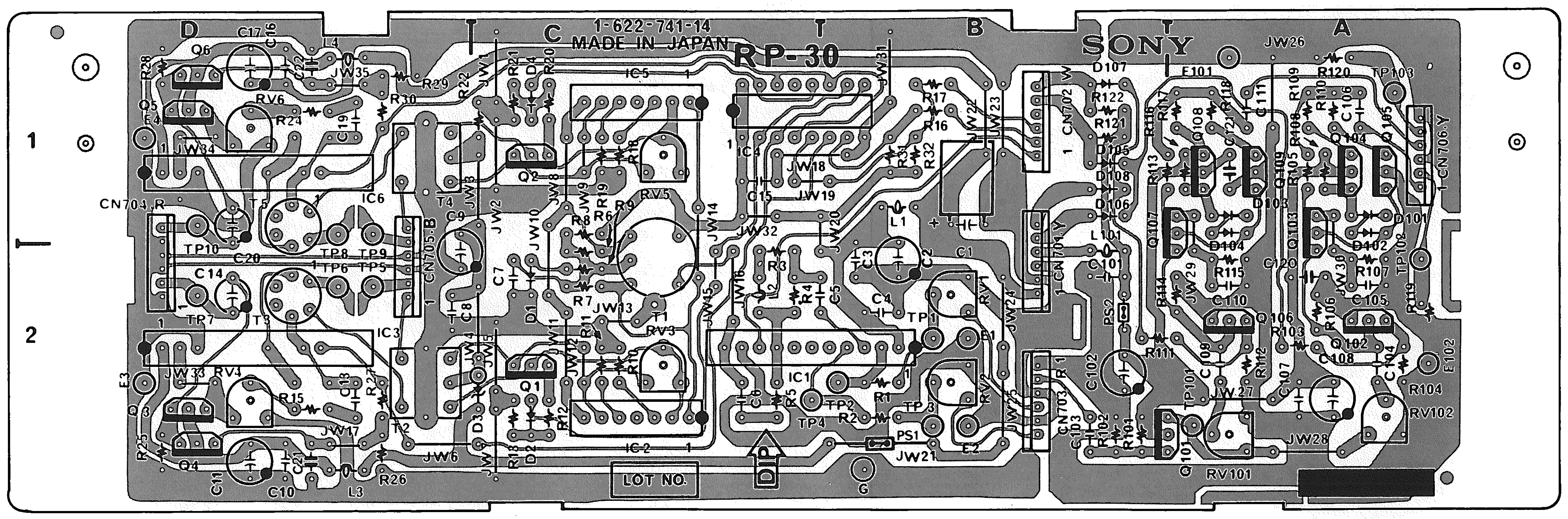
NOTE: UC MODEL ONLY

RP-30; RF REC/PB /ROTARY ERASE

S/N 10261 TO 11735 (J)
S/N 12591 TO 17255 (UC)

RP-30(1-622-741-14)

CN701	B-2	T1	C-2
CN702	B-1	T2	D-2
CN703	B-2	T3	D-2
CN704	D-2	T4	D-1
CN705	D-2	T5	D-1
CN706	A-1		
		TP1	B-2
D1	C-2	TP2	B-2
D2	C-2	TP3	B-2
D3	C-2	TP4	C-2
D4	C-1	TP5	D-2
D101	A-1	TP6	D-2
D102	A-1	TP7	D-2
D103	A-1	TP8	D-1
D104	A-1	TP9	D-1
D105	B-1	TP10	D-1
D106	B-1	TP101	A-2
D107	B-1	TP102	A-2
D108	B-1	TP103	A-1
E1	B-2		
E2	B-2		
E3	D-2		
E4	D-1		
E101	A-1		
E102	A-2		
IC1	C-2		
IC2	C-2		
IC3	D-2		
IC4	C-1		
IC5	C-1		
IC6	D-1		
Q1	C-2		
Q2	C-1		
Q3	D-2		
Q4	D-2		
Q5	D-1		
Q6	D-1		
Q101	A-2		
Q102	A-2		
Q103	A-1		
Q104	A-1		
Q105	A-1		
Q106	A-2		
Q107	A-1		
Q108	A-1		
Q109	A-1		
RV1	B-2		
RV2	B-2		
RV3	C-2		
RV4	D-2		
RV5	C-1		
RV6	D-1		
RV101	A-2		
RV102	A-2		



RP-30/A —COMPONENT SIDE—

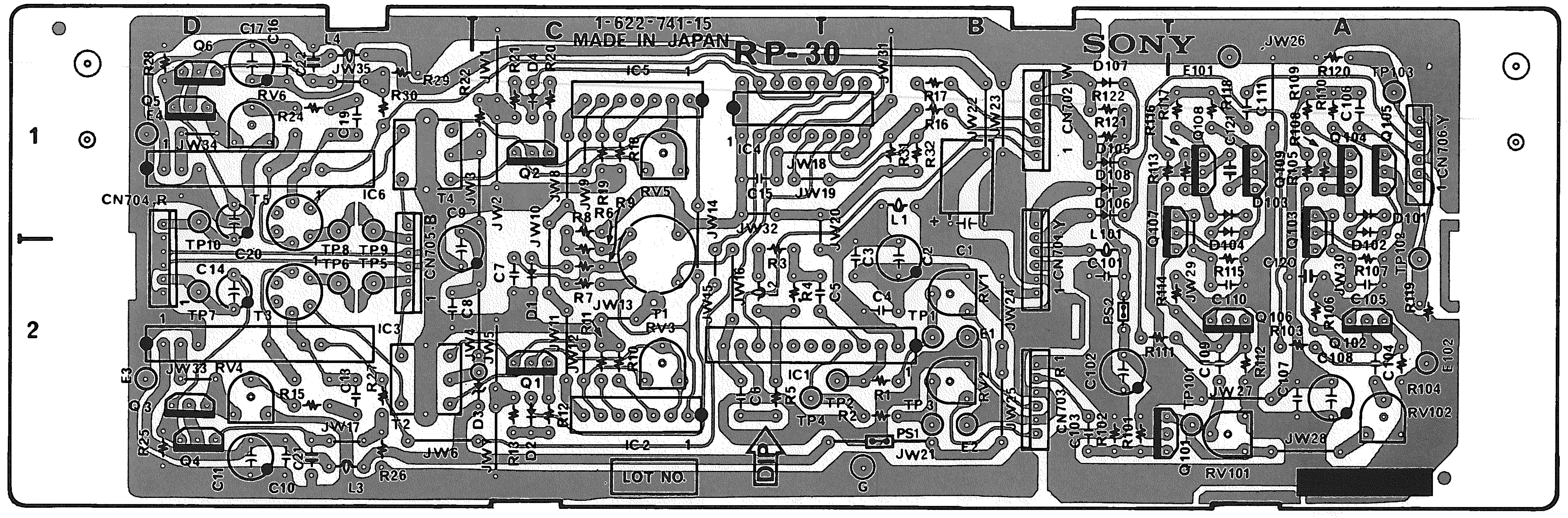
1-622-741-14(1)
BVU-950
BVU-950P

RP-30; RF REC/PB/ROTARY ERASE

S/N 11736 AND HIGHER (J)
S/N 17256 AND HIGHER (UC)
S/N 10141 AND HIGHER (BR)

RP-30 (1-622-741-15)

CN701	B-2	T1	C-2
CN702	B-1	T2	D-2
CN703	B-2	T3	D-2
CN704	D-2	T4	D-1
CN705	D-2	T5	D-1
CN706	A-1		
		TP1	B-2
D1	C-2	TP2	B-2
D2	C-2	TP3	B-2
D3	C-2	TP4	C-2
D4	C-1	TP5	D-2
D101	A-1	TP6	D-2
D102	A-1	TP7	D-2
D103	A-1	TP8	D-1
D104	A-1	TP9	D-1
D105	B-1	TP10	D-1
D106	B-1	TP101	A-2
D107	B-1	TP102	A-2
D108	B-1	TP103	A-1
E1	B-2		
E2	B-2		
E3	D-2		
E4	D-1		
E101	A-1		
E102	A-2		
IC1	C-2		
IC2	C-2		
IC3	D-2		
IC4	C-1		
IC5	C-1		
IC6	D-1		
Q1	C-2		
Q2	C-1		
Q3	D-2		
Q4	D-2		
Q5	D-1		
Q6	D-1		
Q101	A-2		
Q102	A-2		
Q103	A-1		
Q104	A-1		
Q105	A-1		
Q106	A-2		
Q107	A-1		
Q108	A-1		
Q109	A-1		
RV1	B-2		
RV2	B-2		
RV3	C-2		
RV4	D-2		
RV5	C-1		
RV6	D-1		
RV101	A-2		
RV102	A-2		



RP-30/A —COMPONENT SIDE—
1-622-741-15(1)
BVU-950
BVU-950P

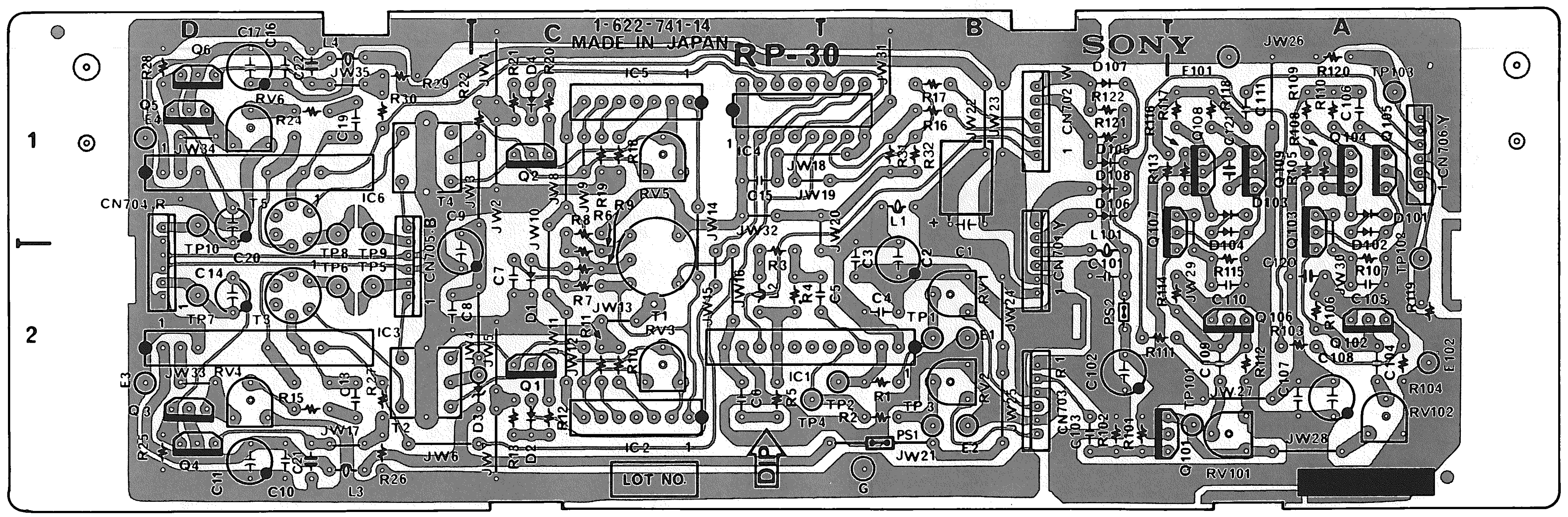
RP-30; RF REC/PB /ROTARY ERASE

S/N 10261 TO 11735 (J)
S/N 12591 TO 17255 (UC)

RP-30(1-622-741-14)

CN701	B-2
CN702	B-1
CN703	B-2
CN704	D-2
CN705	D-2
CN706	A-1
D1	C-2
D2	C-2
D3	C-2
D4	C-1
D101	A-1
D102	A-1
D103	A-1
D104	A-1
D105	B-1
D106	B-1
D107	B-1
D108	B-1
E1	B-2
E2	B-2
E3	D-2
E4	D-1
E101	A-1
E102	A-2
IC1	C-2
IC2	C-2
IC3	D-2
IC4	C-1
IC5	C-1
IC6	D-1
Q1	C-2
Q2	C-1
Q3	D-2
Q4	D-2
Q5	D-1
Q6	D-1
Q101	A-2
Q102	A-2
Q103	A-1
Q104	A-1
Q105	A-1
Q106	A-2
Q107	A-1
Q108	A-1
Q109	A-1
RV1	B-2
RV2	B-2
RV3	C-2
RV4	D-2
RV5	C-1
RV6	D-1
RV101	A-2
RV102	A-2

T1	C-2
T2	D-2
T3	D-2
T4	D-1
T5	D-1
TP1	B-2
TP2	B-2
TP3	B-2
TP4	C-2
TP5	D-2
TP6	D-2
TP7	D-2
TP8	D-1
TP9	D-1
TP10	D-1
TP101	A-2
TP102	A-2
TP103	A-1



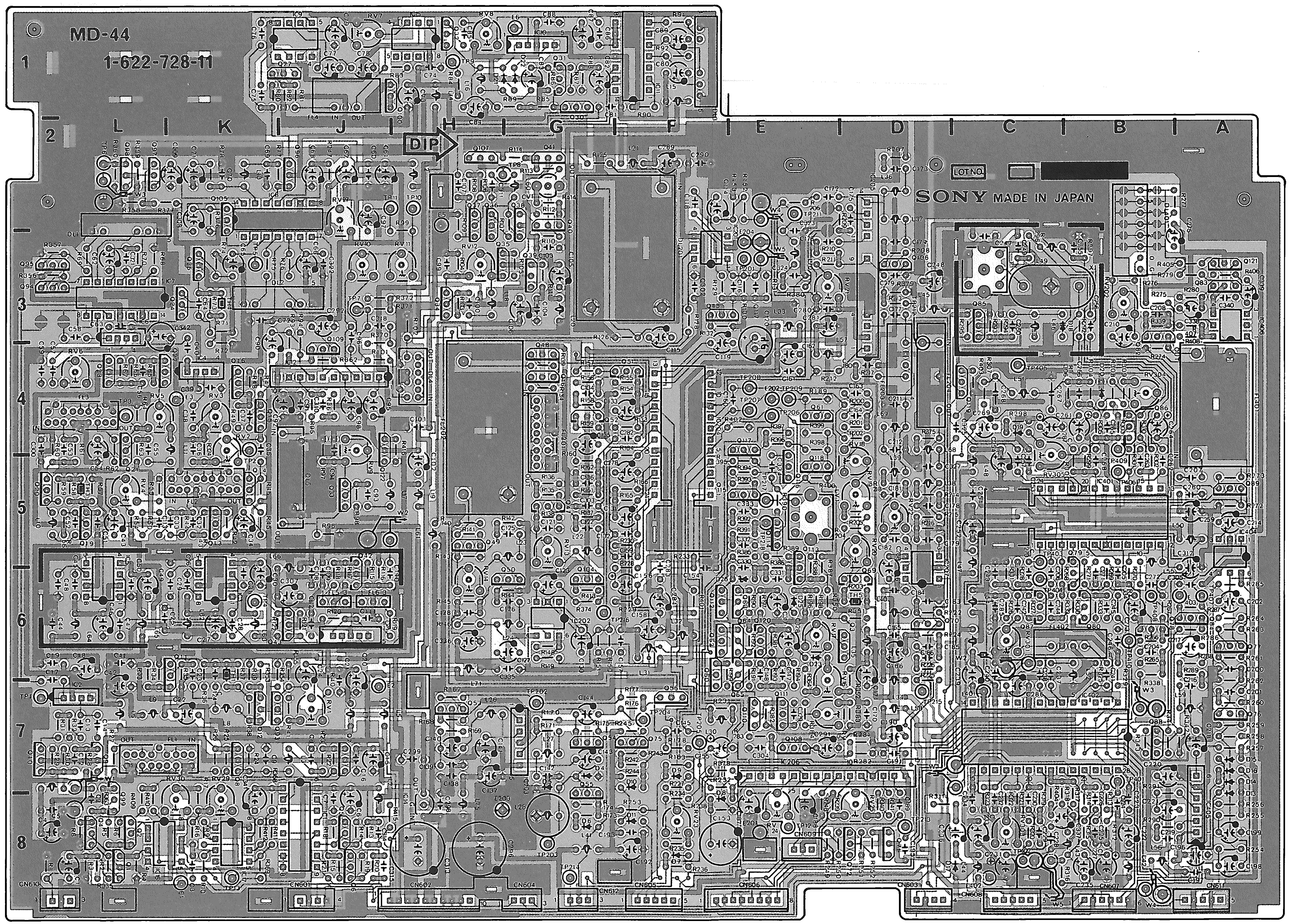
RP-30/A —COMPONENT SIDE—
1-622-741-14(1)
BVU-950
BVU-950P

MD-44; Y/C MODULATOR

S/N UP TO 10020(J)
S/N UP TO 10380(UC)

MD-44 (1-622-728-11)

CN601	J-8	FL6	J-6	Q22	L-4	Q97	L-2		
CN602	H-8	FL201	G-4	Q23	L-4	Q98	L-2	TP1	L-7
CN603	D-8	FL202	H-4	Q24	K-3	Q99	L-8	TP2	K-4
CN604	G-8	FL203	D-4	Q25	K-3	Q100	J-1	TP3	L-4
CN605	F-8	FL204	D-4	Q27	J-1	Q104	G-6	TP4	K-6
CN606	E-8	FL401	A-4	Q30	G-1	Q105	K-2	TP5	K-3
CN607	B-8	FL402	B-6	Q31	G-1	Q106	D-3	TP6	L-2
CN608	C-8			Q32	H-1	Q107	H-2	TP7	J-3
CN609	E-8	IC1	J-8	Q33	J-5	Q108	E-7	TP8	H-2
CN610	L-8	IC2	L-7	Q34	H-3	Q109	J-4	TP9	H-1
CN611	A-8	IC3	K-6	Q35	H-3	Q110	E-7	TP10	H-2
CN612	G-8	IC4	K-4	Q36	H-2	Q111	E-7	TP11	J-2
		IC5	L-6	Q37	H-2	Q112	F-6	TP12	E-8
CV1	G-2	IC6	L-3	Q38	G-2	Q113	E-5	TP13	K-8
		IC7	L-3	Q39	G-3	Q114	E-5	TP201	E-3
D4	G-7	IC8	K-2	Q40	G-2	Q115	E-5	TP202	G-7
D5	G-7	IC9	J-1	Q41	G-2	Q116	E-5	TP203	G-8
D6	G-8	IC10	G-1	Q42	J-6	Q117	E-4	TP204	F-7
D7	F-8	IC11	F-1	Q43	J-6	Q118	E-5	TP205	F-7
D8	F-8	IC12	J-4	Q45	F-3	Q119	C-4	TP206	E-4
D9	F-7	IC13	J-6	Q46	G-4	Q120	E-6	TP207	E-4
D10	F-7	IC14	H-8	Q47	G-5	Q121	A-3	TP208	E-4
D11	F-8	IC15	H-1	Q48	G-4	Q122	J-4	TP209	E-4
D17	C-8	IC16	L-8	Q49	H-5			TP211	E-2
D18	B-3	IC17	K-8	Q50	G-6	RV1	J-7	TP212	D-3
D19	C-4	IC201	F-3	Q51	F-4	RV2	K-4	TP213	D-8
D20	B-4	IC202	G-6	Q52	G-4	RV3	K-4	TP214	G-8
D21	G-1	IC203	G-7	Q53	H-7	RV4	L-5	TP215	D-7
D22	G-1	IC204	F-4	Q54	G-7	RV5	L-4	TP216	G-6
D23	E-6	IC205	D-3	Q55	G-7	RV6	L-4	TP217	E-5
D25	E-6	IC206	E-7	Q56	F-7	RV7	J-1	TP218	E-5
D26	E-6	IC207	D-5	Q60	F-6	RV8	H-1	TP401	B-7
		IC401	B-5	Q61	E-4	RV9	J-4	TP402	C-8
DL1	L-2	IC402	C-7	Q62	F-6	RV10	J-3	TP403	C-5
DL2	K-3	IC404	A-5	Q63	E-6	RV11	H-3	TP404	C-6
DL3	F-1	IC405	A-8	Q64	E-6	RV12	H-3	TP405	C-4
DL4	H-4	IC406	A-3	Q65	E-6	RV13	G-5	TP406	B-5
DL5	J-5			Q69	D-6	RV14	H-6	TP407	A-6
DL201	F-3	LV1	E-5	Q70	D-6	RV15	E-7	TP408	B-6
DL401	B-2			Q71	D-8	RV16	E-7	TP409	B-4
		Q1	L-8	Q72	D-8	RV17	E-6	TP410	B-6
E1	K-8	Q2	L-8	Q75	F-7	RV18	D-5		
E2	J-7	Q3	D-6	Q76	A-7	RV19	D-5	X1	C-3
E3	K-4	Q4	L-8	Q77	A-6	RV20	D-5		
E5	H-2	Q5	J-8	Q78	B-6	RV21	E-3		
E6	G-1	Q6	J-8	Q79	B-6	RV22	D-5		
E201	E-8	Q7	J-7	Q80	B-6	RV23	F-8		
E202	E-4	Q8	K-7	Q82	B-3	RV24	E-8		
E203	H-8	Q9	L-7	Q83	A-3	RV25	D-8		
E204	E-3	Q10	L-7	Q84	A-6	RV27	J-2		
E401	C-7	Q11	K-6	Q85	C-3	RV29	K-8		
E402	C-8	Q12	K-7	Q86	B-4	RV30	K-8		
E403	A-6	Q13	K-5	Q87	C-6	RV202	B-3		
		Q14	K-5	Q88	B-7	RV301	C-6		
FL1	L-7	Q15	K-4	Q89	A-5	RV303	C-8		
FL2	K-5	Q16	K-4	Q93	K-7	RV304	B-4		
FL3	L-4	Q19	L-5	Q94	L-3	RV305	C-4		
FL4	J-1	Q20	L-5	Q95	L-3				
FL5	J-6	Q21	L-4	Q96	J-2	T1	C-3		



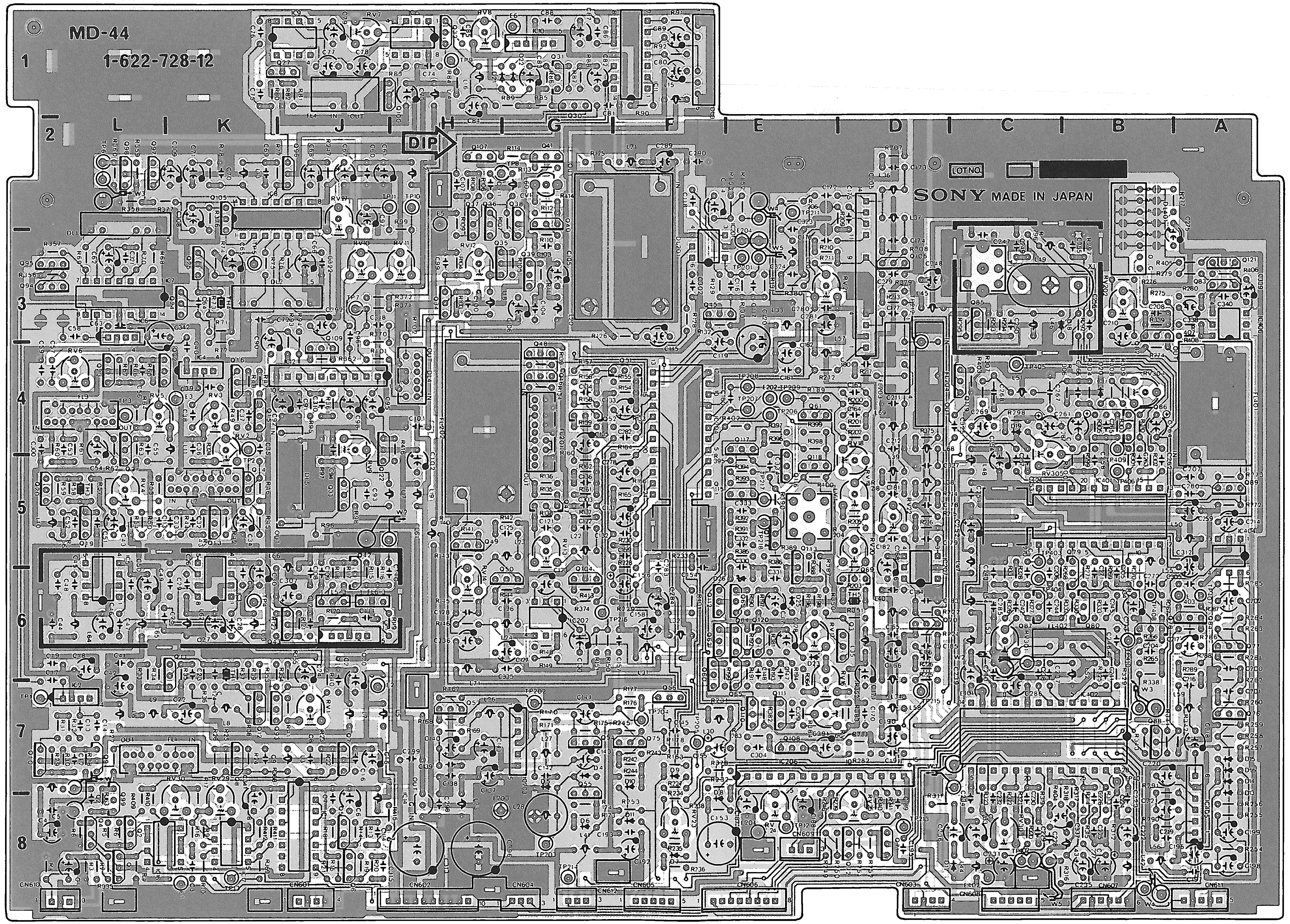
MD-44 —COMPONENT SIDE—
1-622-728-11(1)
BVU-950

MD-44; Y/C MODULATOR

S/N 10021 TO 10120(J)
S/N 10381 TO 11180(UC)

MD-44 (1-622-728-12)

CN601	J-8	FL6	J-6	Q22	L-4	Q97	L-2		
CN602	H-8	FL201	G-4	Q23	L-4	Q98	L-2	TP1	L-7
CN603	D-8	FL202	H-4	Q24	K-3	Q99	L-8	TP2	K-4
CN604	G-8	FL203	D-4	Q25	K-3	Q100	J-1	TP3	L-4
CN605	F-8	FL204	D-4	Q27	J-1	Q104	G-6	TP4	K-6
CN606	E-8	FL401	A-4	Q30	G-1	Q105	K-2	TP5	K-3
CN607	B-8	FL402	B-6	Q31	G-1	Q106	D-3	TP6	L-2
CN608	C-8			Q32	H-1	Q107	H-2	TP7	J-3
CN609	E-8	IC1	J-8	Q33	J-5	Q108	E-7	TP8	H-2
CN610	L-8	IC2	L-7	Q34	H-3	Q109	J-4	TP9	H-1
CN611	A-8	IC3	K-6	Q35	H-3	Q110	E-7	TP10	H-2
CN612	G-8	IC4	K-4	Q36	H-2	Q111	E-7	TP11	J-2
		IC5	L-6	Q37	H-2	Q112	F-6	TP12	E-8
CV1	G-2	IC6	L-3	Q38	G-2	Q113	E-5	TP13	K-8
		IC7	L-3	Q39	G-3	Q114	E-5	TP201	E-3
D4	G-7	IC8	K-2	Q40	G-2	Q115	E-5	TP202	G-7
D5	G-7	IC9	J-1	Q41	G-2	Q116	E-5	TP203	G-8
D6	G-8	IC10	G-1	Q42	J-6	Q117	E-4	TP204	F-7
D7	F-8	IC11	F-1	Q43	J-6	Q118	E-5	TP205	F-7
D8	F-8	IC12	J-4	Q45	F-3	Q119	C-4	TP206	E-4
D9	F-7	IC13	J-6	Q46	G-4	Q120	E-6	TP207	E-4
D10	F-7	IC14	H-8	Q47	G-5	Q121	A-3	TP208	E-4
D11	F-8	IC15	H-1	Q48	G-4	Q122	J-4	TP209	E-4
D17	C-8	IC16	L-8	Q49	H-5			TP211	E-2
D18	B-3	IC17	K-8	Q50	G-6	RV1	J-7	TP212	D-3
D19	C-4	IC201	F-3	Q51	F-4	RV2	K-4	TP213	D-8
D20	B-4	IC202	G-6	Q52	G-4	RV3	K-4	TP214	G-8
D21	G-1	IC203	G-7	Q53	H-7	RV4	L-5	TP215	D-7
D22	G-1	IC204	F-4	Q54	G-7	RV5	L-4	TP216	G-6
D23	E-6	IC205	D-3	Q55	G-7	RV6	L-4	TP217	E-5
D25	E-6	IC206	E-7	Q56	F-7	RV7	J-1	TP218	E-5
D26	E-6	IC207	D-5	Q60	F-6	RV8	H-1	TP401	B-7
		IC401	B-5	Q61	E-4	RV9	J-4	TP402	C-8
DL1	L-2	IC402	C-7	Q62	F-6	RV10	J-3	TP403	C-5
DL2	K-3	IC404	A-5	Q63	E-6	RV11	H-3	TP404	C-6
DL3	F-1	IC405	A-8	Q64	E-6	RV12	H-3	TP405	C-4
DL4	H-4	IC406	A-3	Q65	E-6	RV13	G-5	TP406	B-5
DL5	J-5			Q69	D-6	RV14	H-6	TP407	A-6
DL201	F-3	LV1	E-5	Q70	D-6	RV15	E-7	TP408	B-6
DL401	B-2			Q71	D-8	RV16	E-7	TP409	B-4
		Q1	L-8	Q72	D-8	RV17	E-6	TP410	B-6
E1	K-8	Q2	L-8	Q75	F-7	RV18	D-5		
E2	J-7	Q3	D-6	Q76	A-7	RV19	D-5	X1	C-3
E3	K-4	Q4	L-8	Q77	A-6	RV20	D-5		
E5	H-2	Q5	J-8	Q78	B-6	RV21	E-3		
E6	G-1	Q6	J-8	Q79	B-6	RV22	D-5		
E201	E-8	Q7	J-7	Q80	B-6	RV23	F-8		
E202	E-4	Q8	K-7	Q82	B-3	RV24	E-8		
E203	H-8	Q9	L-7	Q83	A-3	RV25	D-8		
E204	E-3	Q10	L-7	Q84	A-6	RV27	J-2		
E401	C-7	Q11	K-6	Q85	C-3	RV29	K-8		
E402	C-8	Q12	K-7	Q86	B-4	RV30	K-8		
E403	A-6	Q13	K-5	Q87	C-6	RV202	B-3		
		Q14	K-5	Q88	B-7	RV301	C-6		
FL1	L-7	Q15	K-4	Q89	A-5	RV303	C-8		
FL2	K-5	Q16	K-4	Q93	K-7	RV304	B-4		
FL3	L-4	Q19	L-5	Q94	L-3	RV305	C-4		
FL4	J-1	Q20	L-5	Q95	L-3				
FL5	J-6	Q21	L-4	Q96	J-2	T1	C-3		



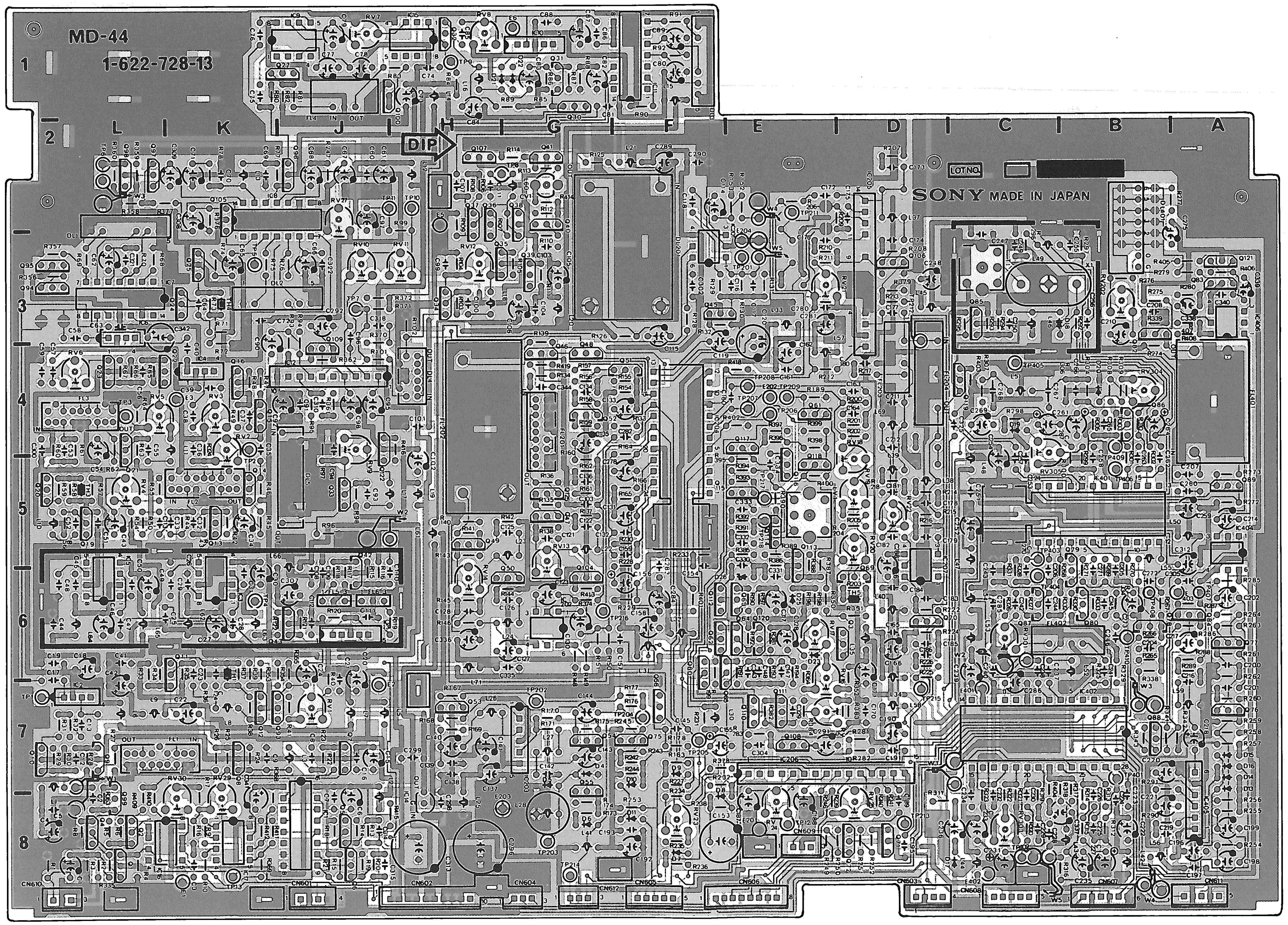
MD-44 —COMPONENT SIDE—
1-622-728-12(1)
BVU-950

MD-44: Y/C MODULATOR

S/N 10121 TO 10360(J)
S/N 11181 TO 13190(UC)

MD-44 (1-622-728-13)

CN601	J-8
CN602	H-8
CN603	D-8
CN604	G-8
CN605	F-8
CN606	E-8
CN607	B-8
CN608	C-8
CN609	E-8
CN610	L-8
CN611	A-8
CN612	G-8
CV1	G-2
D4	G-7
D5	G-7
D6	G-8
D7	F-8
D8	F-8
D9	F-7
D10	F-7
D11	F-8
D13	A-8
D14	A-7
D15	A-7
D16	A-7
D17	C-8
D18	B-3
D19	C-4
D20	B-4
D21	G-1
D22	G-1
D23	E-6
D25	E-6
D26	E-6
DL1	L-2
DL2	K-3
DL3	F-1
DL4	H-4
DL5	J-5
DL201	F-3
DL401	B-2
E1	K-8
E2	J-7
E3	K-4
E5	H-2
E6	G-1
E201	E-8
E202	E-4
E203	H-8
E204	E-3
E401	C-7
E402	C-8
E403	A-6
FL1	L-7
FL2	K-5
FL3	L-4
FL4	J-1
FL5	J-6
FL6	J-6
FL201	G-4
FL202	H-4
FL203	D-4
FL204	D-4
FL401	A-4
FL402	B-6
IC1	J-8
IC2	L-7
IC3	K-6
IC4	K-4
IC5	L-6
IC6	L-3
IC7	L-3
IC8	K-2
IC9	J-1
IC10	G-1
IC11	F-1
IC12	J-4
IC13	J-6
IC14	H-8
IC15	H-1
IC16	L-8
IC17	K-8
IC201	F-3
IC202	G-6
IC203	G-7
IC204	F-4
IC205	D-3
IC206	E-7
IC207	D-5
IC401	B-5
IC402	C-7
IC404	A-5
IC405	A-8
IC406	A-3
LV1	E-5
Q1	L-8
Q2	L-8
Q3	D-6
Q4	L-8
Q5	J-8
Q6	J-8
Q7	J-7
Q8	K-7
Q9	L-7
Q10	L-7
Q11	K-6
Q12	K-7
Q13	K-5
Q14	K-5
Q15	K-4
Q16	K-4
Q19	L-5
Q20	L-5
Q21	L-4
Q22	L-4
Q23	L-4
Q24	K-3
Q25	K-3
Q27	J-1
Q30	G-1
Q31	G-1
Q32	H-1
Q33	J-5
Q34	H-3
Q35	H-3
Q36	H-2
Q37	H-2
Q38	G-2
Q39	G-3
Q40	G-2
Q41	G-2
Q42	J-6
Q43	J-6
Q45	F-3
Q46	G-4
Q47	G-5
Q48	G-4
Q49	H-5
Q50	G-6
Q51	F-4
Q52	G-4
Q53	H-7
Q54	G-7
Q55	G-7
Q56	F-7
Q60	F-6
Q61	E-4
Q62	F-6
Q63	E-6
Q64	E-6
Q65	E-6
Q69	D-6
Q70	D-6
Q71	D-8
Q72	D-8
Q75	F-7
Q76	A-7
Q77	A-6
Q78	B-6
Q79	B-6
Q80	B-6
Q82	B-3
Q83	A-3
Q84	A-6
Q85	C-3
Q86	B-4
Q87	C-6
Q88	B-7
Q89	A-5
Q93	K-7
Q94	L-3
Q95	L-3
Q96	J-2
Q97	L-2
Q98	L-2
Q99	L-8
Q100	J-1
Q104	G-6
Q105	K-2
Q106	D-3
Q107	H-2
Q108	E-7
Q109	J-4
Q110	E-7
Q111	E-7
Q112	F-6
Q113	E-5
Q114	E-5
Q115	E-5
Q116	E-5
Q117	E-4
Q118	E-5
Q119	C-4
Q120	E-6
Q121	A-3
Q122	J-4
Q125	G-5
RV1	J-7
RV2	K-4
RV3	K-4
RV4	L-5
RV5	L-4
RV6	L-4
RV7	J-1
RV8	H-1
RV9	J-4
RV10	J-3
RV11	H-3
RV12	H-3
RV13	G-5
RV14	H-6
RV15	E-7
RV16	E-7
RV17	E-6
RV18	D-5
RV19	D-5
RV20	D-5
RV21	E-3
RV22	D-5
RV23	F-8
RV24	E-8
RV25	D-8
RV27	J-2
RV29	K-8
RV30	K-8
RV202	B-3
RV301	C-6
RV303	C-8
RV304	B-4
RV305	C-4
T1	C-3
TP1	L-7
TP2	K-4
TP3	L-4
TP4	K-6
TP5	K-3
TP6	L-2
TP7	J-3
TP8	H-2
TP9	H-1
TP10	H-2
TP11	J-2
TP12	E-8
TP13	K-8
TP201	E-3
TP202	G-7
TP203	G-8
TP204	F-7
TP205	F-7
TP206	E-4
TP207	E-4
TP208	E-4
TP209	E-4
TP211	E-2
TP212	D-3
TP213	D-8
TP214	G-8
TP215	D-7
TP216	G-6
TP217	E-5
TP218	E-5
TP401	B-7
TP402	C-8
TP403	C-5
TP404	C-6
TP405	C-4
TP406	B-5
TP407	A-6
TP408	B-6
TP409	B-4
TP410	B-6
X1	C-3

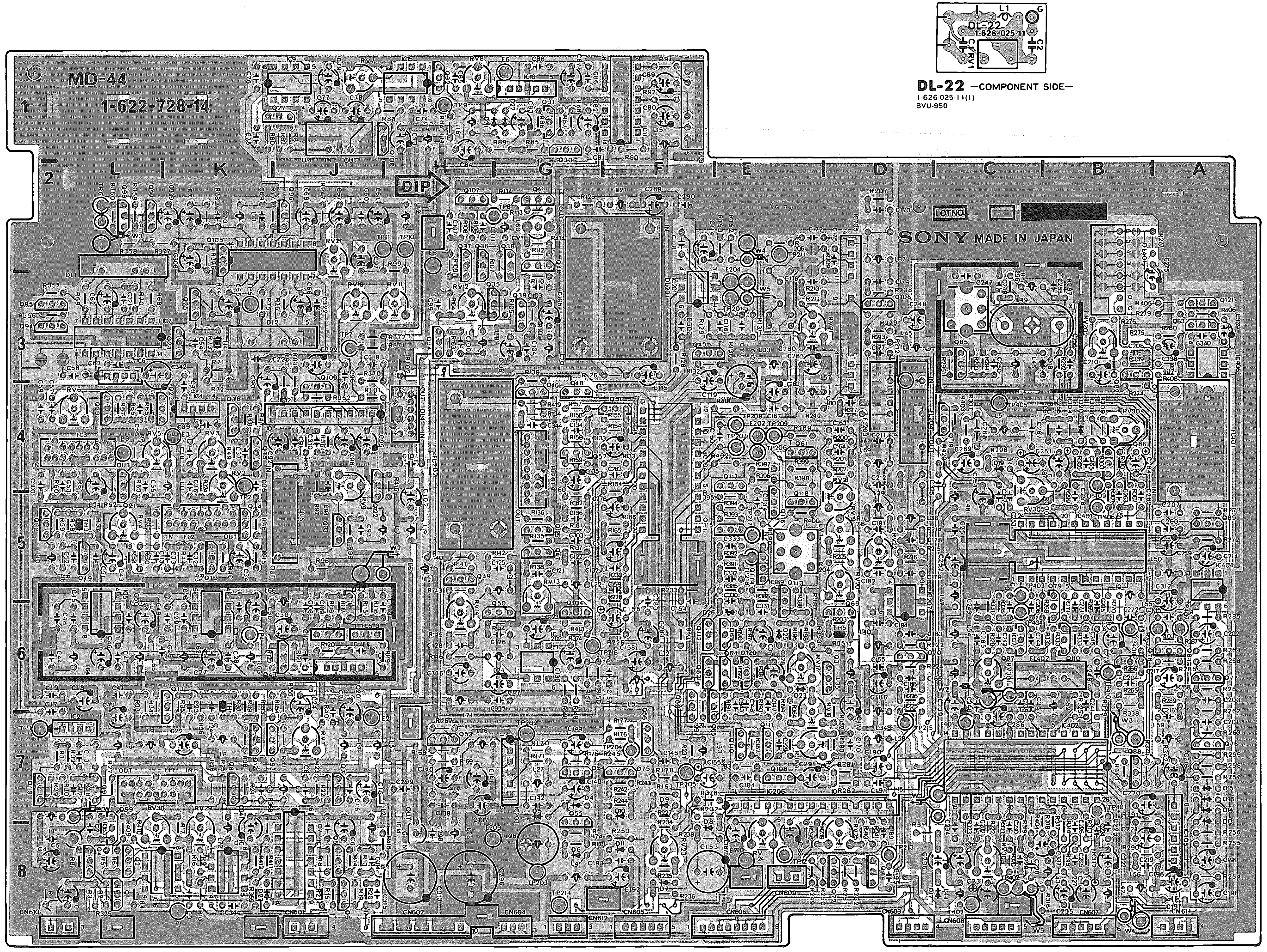


MD-44 —COMPONENT SIDE—
1-622-728-13(1)
BVU-950

MD-44; Y/C MODULATOR S/N 10361 TO 11445 (J)
DL-22; DELAY LINE S/N 13191 TO 15865 (UC)

MD-44 (1-622-728-14)

CN601	J-8	FL1	L-7	Q15	K-4	Q89	A-5	RV301	C-6
CN602	H-8	FL2	K-5	Q16	K-4	Q93	J-7	RV303	C-8
CN603	D-8	FL3	L-4	Q19	L-5	Q94	L-3	RV304	B-4
CN604	G-8	FL4	J-1	Q20	L-5	Q95	L-3	RV305	C-4
CN605	F-8	FL5	J-6	Q21	L-4	Q96	J-2		
CN606	E-8	FL6	J-6	Q22	L-4	Q97	L-2	T1	C-6
CN607	B-8	FL201	G-4	Q23	L-4	Q98	L-2		
CN608	C-8	FL202	H-4	Q24	K-3	Q99	L-8	TH1	K-6
CN609	E-8	FL203	D-4	Q25	K-3	Q100	H-1	TH3	L-5
CN610	L-8	FL204	D-4	Q27	J-1	Q104	G-6	TH4	K-3
CN611	A-8	FL401	A-4	Q30	G-1	Q105	K-2	TH5	D-6
CN612	G-8	FL402	B-6	Q31	G-1	Q106	D-3		
				Q32	H-1	Q107	H-2	TP1	L-7
CV1	G-2	IC1	J-8	Q33	J-5	Q108	E-7	TP2	K-4
		IC2	L-7	Q34	H-3	Q109	J-4	TP3	L-4
D4	G-7	IC3	K-6	Q35	H-3	Q110	E-7	TP4	K-6
D5	G-7	IC4	K-4	Q36	H-2	Q111	E-7	TP5	K-3
D6	G-8	IC5	L-6	Q37	H-2	Q112	F-6	TP6	L-2
D7	F-8	IC6	L-3	Q38	G-2	Q113	E-5	TP7	J-3
D8	F-8	IC7	L-3	Q39	G-3	Q114	E-5	TP8	H-2
D9	F-7	IC8	K-2	Q40	G-2	Q115	E-5	TP9	H-1
D10	F-7	IC9	J-1	Q41	G-2	Q116	E-5	TP10	H-2
D11	F-8	IC10	G-1	Q42	J-6	Q117	E-4	TP11	J-2
D13	A-8	IC11	F-1	Q43	J-6	Q118	E-5	TP12	E-8
D14	A-7	IC12	J-4	Q45	F-3	Q119	C-4	TP13	K-8
D15	A-7	IC13	J-6	Q46	G-4	Q120	E-6	TP201	E-3
D16	A-7	IC14	H-8	Q47	G-5	Q121	A-3	TP202	G-7
D17	C-8	IC15	H-1	Q48	G-4	Q122	J-4	TP203	G-8
D18	B-3	IC16	L-8	Q49	H-5	Q125	G-5	TP204	F-7
D19	C-4	IC17	K-8	Q50	G-6			TP205	F-7
D20	B-4	IC201	F-3	Q51	F-4	RV1	J-7	TP206	E-4
D21	G-1	IC202	G-6	Q52	G-4	RV2	K-4	TP207	E-4
D22	G-1	IC203	G-7	Q53	H-7	RV3	K-4	TP208	E-4
D23	E-6	IC204	F-4	Q54	G-7	RV4	L-5	TP209	E-4
D25	E-6	IC205	D-3	Q55	G-7	RV5	L-4	TP211	E-2
D26	E-6	IC206	E-7	Q56	F-7	RV6	L-4	TP212	D-3
D27	K-8	IC207	D-5	Q60	F-6	RV7	J-1	TP213	D-8
		IC401	B-5	Q61	E-4	RV8	H-1	TP214	G-8
DL1	L-2	IC402	C-7	Q62	F-6	RV9	J-4	TP215	D-7
DL2	K-3	IC404	A-5	Q63	E-6	RV10	J-3	TP216	G-6
DL3	F-1	IC405	A-8	Q64	E-6	RV11	H-3	TP217	E-5
DL4	H-4	IC406	A-3	Q65	E-6	RV12	H-3	TP218	E-5
DL5	J-5			Q69	D-6	RV13	G-5	TP401	B-7
DL201	F-3	LV1	E-5	Q70	D-6	RV14	H-6	TP402	C-8
DL401	B-2			Q71	D-8	RV15	E-7	TP403	C-5
		Q1	L-8	Q72	D-8	RV16	E-7	TP404	C-6
E1	K-8	Q2	L-8	Q75	F-7	RV17	E-6	TP405	C-4
E2	J-7	Q3	D-6	Q76	A-7	RV18	D-5	TP406	B-5
E3	K-4	Q4	L-8	Q77	A-6	RV19	D-5	TP407	A-6
E5	H-2	Q5	J-8	Q78	B-6	RV20	D-5	TP408	B-6
E6	G-1	Q6	J-8	Q79	B-6	RV21	E-3	TP409	B-4
E201	E-8	Q7	J-7	Q80	B-6	RV22	D-5	TP410	B-6
E202	E-4	Q8	K-7	Q82	B-3	RV23	F-8		
E203	H-8	Q9	L-7	Q83	A-3	RV24	E-8	X1	C-3
E204	E-3	Q10	L-7	Q84	A-6	RV25	D-8		
E401	C-7	Q11	K-6	Q85	C-3	RV27	J-2		
E402	C-8	Q12	K-7	Q86	B-4	RV29	K-8		
E403	A-6	Q13	K-5	Q87	C-6	RV30	L-8		
		Q14	K-5	Q88	B-7	RV202	B-3		



DL-22 —COMPONENT SIDE—
1-626-025-11(1)
BVU-950

MD-44 —COMPONENT SIDE—
1-622-728-14(1)
BVU-950

MD-44; Y/C MODULATOR

S/N 11446 AND HIGHER (J)
S/N 15866 AND HIGHER (UC)

MD-44 (1-622-728-15)

CN601	J-8
CN602	H-8
CN603	D-8
CN604	G-8
CN605	F-8
CN606	E-8
CN607	B-8
CN608	C-8
CN610	L-8
CN611	A-8
CN612	G-8
CV1	G-2
D4	G-7
D5	G-7
D6	G-8
D7	F-8
D8	F-8
D9	F-7
D10	F-7
D11	F-8
D13	A-8
D14	A-7
D15	A-7
D16	A-7
D17	C-8
D18	B-3
D19	C-4
D20	B-4
D21	G-1
D22	G-1
D23	E-6
D25	E-6
D26	E-6
D27	K-8
DL1	L-2
DL2	K-3
DL3	F-1
DL4	H-4
DL5	J-5
DL201	F-3
DL401	B-2
E1	K-8
E2	J-7
E3	K-4
E5	H-2
E6	G-1
E201	E-8
E202	E-4
E203	H-8
E204	E-3
E401	C-7
E402	C-8
E403	A-6
FL1	L-7
FL2	K-5
FL3	L-4
FL4	J-1
FL5	J-6
FL6	J-6
FL201	G-4
FL202	H-4
FL203	D-4
FL204	D-4
FL401	A-4
FL402	B-6
IC1	J-8
IC2	L-7
IC3	K-6
IC4	K-4
IC5	L-6
IC6	L-3
IC7	L-3
IC8	K-2
IC9	J-1
IC10	G-1
IC11	F-1
IC12	J-4
IC13	J-6
IC14	H-8
IC15	H-1
IC16	L-8
IC17	K-8
IC201	F-3
IC202	G-6
IC203	G-7
IC204	F-4
IC205	D-3
IC206	E-7
IC207	D-5
IC401	B-5
IC402	C-7
IC404	A-5
IC405	A-8
IC406	A-3
LV1	E-5
Q1	L-8
Q2	L-8
Q3	D-6
Q4	L-8
Q5	J-8
Q6	J-8
Q7	J-7
Q8	K-7
Q9	L-7
Q10	L-7
Q11	K-6
Q12	K-7
Q13	K-5
Q14	K-5
Q15	K-4
Q16	K-4
Q19	L-5
Q20	L-5
Q21	L-4
Q22	L-4
Q23	L-4
Q24	K-3
Q25	K-3
Q27	J-1
Q30	G-1
Q31	G-1
Q32	H-1
Q33	J-5
Q34	H-3
Q35	H-3
Q36	H-2
Q37	H-2
Q38	G-2
Q39	G-3
Q40	G-2
Q41	G-2
Q42	J-6
Q43	J-6
Q45	F-3
Q46	G-4
Q47	G-5
Q48	G-4
Q49	H-5
Q50	G-6
Q51	F-4
Q52	G-4
Q53	H-7
Q54	G-7
Q55	G-7
Q56	F-7
Q60	F-6
Q61	E-4
Q62	F-6
Q63	E-6
Q64	E-6
Q65	E-6
Q69	D-6
Q70	D-6
Q71	D-8
Q72	D-8
Q75	F-7
Q76	A-7
Q77	A-6
Q78	B-6
Q79	B-6
Q80	B-6
Q82	B-3
Q83	A-3
Q84	A-6
Q85	C-3
Q86	B-4
Q87	C-6
Q88	B-7
Q89	A-5
Q93	J-7
Q94	L-3
Q95	L-3
Q96	J-2
Q97	L-2
Q98	L-2
Q99	L-8
Q100	H-1
Q104	G-6
Q105	K-2
Q106	D-3
Q107	H-2
Q108	E-7
Q109	J-4
Q110	E-7
Q111	E-7
Q112	F-6
Q113	E-5
Q114	E-5
Q115	E-5
Q116	E-5
Q117	E-4
Q118	E-5
Q119	C-4
Q120	E-6
Q121	A-3
Q122	J-4
Q125	G-5
RV1	J-7
RV2	K-4
RV3	K-4
RV4	L-5
RV5	L-4
RV6	L-4
RV7	J-1
RV8	H-1
RV9	J-4
RV10	J-3
RV11	H-3
RV12	H-3
RV13	G-5
RV14	H-6
RV15	E-7
RV16	E-7
RV17	E-6
RV18	D-5
RV19	D-5
RV20	D-5
RV21	E-3
RV22	D-5
RV23	F-8
RV24	E-8
RV25	D-8
RV27	J-2
RV29	K-8
RV30	L-8
RV202	B-3
RV301	C-6
RV303	C-8
RV304	B-4
RV305	C-4
T1	C-6
TH1	K-6
TH3	L-5
TH4	K-3
TH5	D-6
TP1	L-7
TP2	K-4
TP3	L-4
TP4	K-6
TP5	K-3
TP6	L-2
TP7	J-3
TP8	H-2
TP9	H-1
TP10	H-2
TP11	J-2
TP12	E-8
TP13	K-8
TP201	E-3
TP202	G-7
TP203	G-8
TP204	F-7
TP205	F-7
TP206	E-4
TP207	E-4
TP208	E-4
TP209	E-4
TP211	E-2
TP212	D-3
TP213	D-8
TP214	G-8
TP215	D-7
TP216	G-6
TP217	E-5
TP218	E-5
TP401	B-7
TP402	C-8
TP403	C-5
TP404	C-6
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TP406	B-5
TP407	A-6
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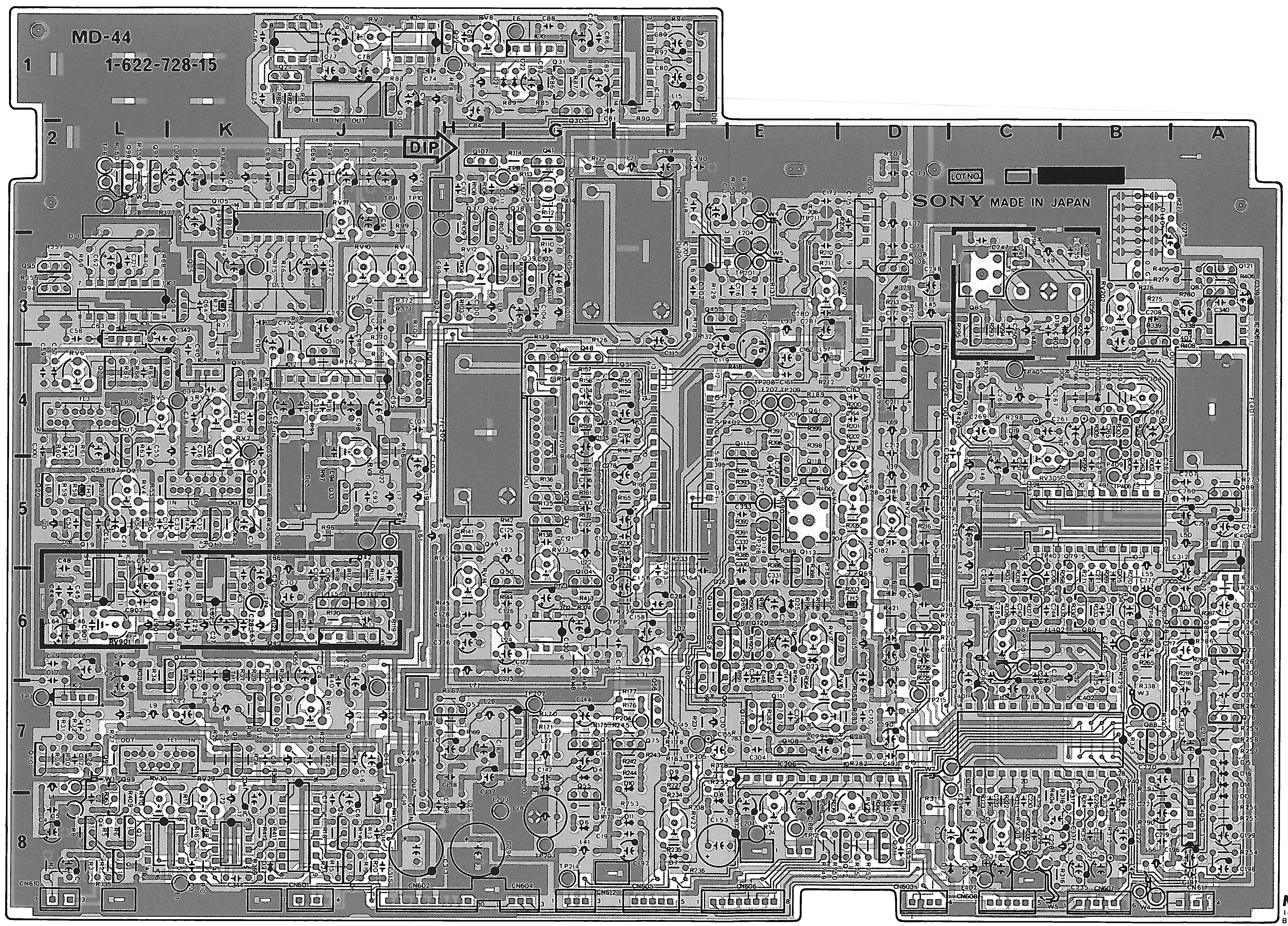


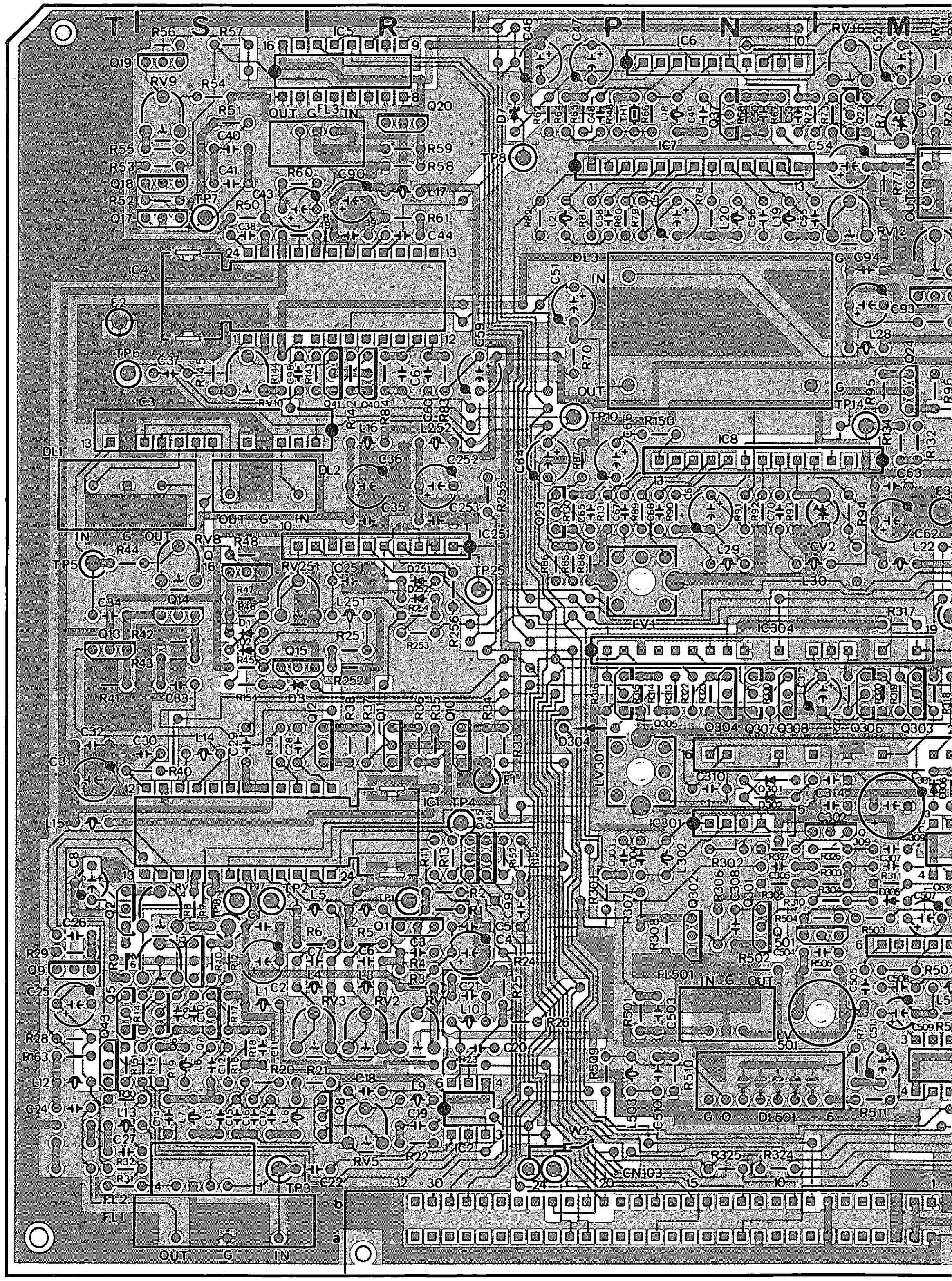
MD-44 —COMPONENT SIDE—
1-622-728-15(1)
BVU-950

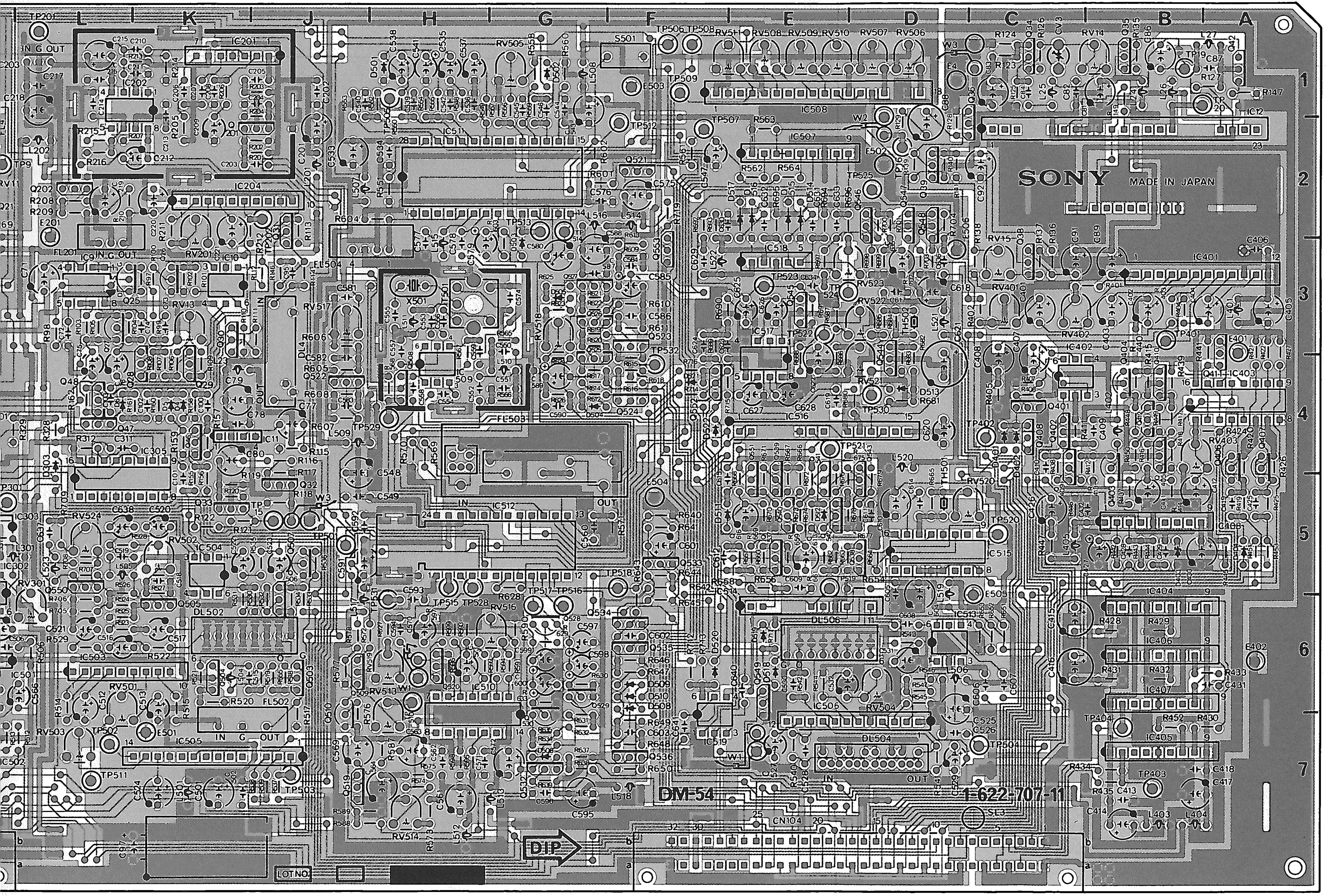
DM-54; Y/C DEMODULATOR

S/N UP TO 10020(J)
S/N UP TO 10380(UC)

DM-54 (1-622-707-11)

CN103	P-7	E3	M-3	IC507	E-2	Q43	T-7	Q541	E-4	T501	H-3
CN104	D-7	E4	D-1	IC508	E-1	Q44	P-5	Q542	E-5		
		E201	L-2	IC509	H-3	Q45	R-5	Q543	D-4	TP1	R-6
CV1	M-1	E301	M-4	IC510	H-6	Q46	K-4	Q544	D-3	TP2	S-6
CV2	M-3	E401	A-3	IC511	G-2	Q47	L-4	Q545	E-3	TP3	S-7
CV3	C-1	E402	A-6	IC512	H-5	Q48	L-4	Q546	D-2	TP4	R-5
		E501	L-7	IC513	D-6	Q201	J-2	Q547	D-2	TP5	T-4
D1	S-4	E502	D-2	IC514	E-5	Q202	L-2	Q548	D-2	TP6	T-3
D2	S-4	E503	F-1	IC515	D-5	Q301	N-6	Q549	E-6	TP7	S-2
D3	S-4	E504	F-5	IC516	E-4	Q302	N-6	Q550	L-5	TP8	P-1
D4	K-4	E505	C-5	IC517	E-3	Q303	M-5	Q551	E-4	TP9	M-2
D5	K-4	E506	D-3	IC518	E-3	Q304	N-5	Q552	F-4	TP10	P-3
D6	L-4			IC519	F-6	Q305	P-5	Q553	F-3	TP14	M-3
D7	P-1	FL1	S-7			Q306	M-5			TP15	J-5
D251	R-4	FL2	S-7	LV1	N-4	Q307	N-5	RV1	R-6	TP16	D-2
D252	R-4	FL3	R-1	LV301	P-5	Q308	N-5	RV2	R-6	TP17	S-6
D301	N-5	FL4	M-2	LV501	M-6	Q309	M-5	RV3	S-6	TP18	S-6
D302	N-5	FL201	L-3			Q401	C-4	RV4	S-6	TP19	B-1
D303	L-4	FL501	N-6	Q1	R-6	Q402	C-4	RV5	R-7	TP20	A-1
D304	D-5	FL502	K-6	Q2	T-6	Q403	B-4	RV6	S-6	TP201	L-1
D305	M-6	FL503	G-4	Q3	S-6	Q404	B-4	RV8	S-4	TP202	J-2
D306	M-5	FL504	J-3	Q5	T-6	Q405	B-4	RV9	S-1	TP251	P-4
D401	C-4			Q6	S-6	Q406	A-4	RV10	S-3	TP301	M-5
D402	C-4	IC1	S-5	Q7	S-6	Q407	A-4	RV11	M-2	TP401	B-3
D403	B-5	IC2	R-7	Q8	R-7	Q408	C-4	RV12	M-2	TP402	C-4
D404	A-5	IC3	S-3	Q9	T-6	Q409	C-4	RV13	K-3	TP403	B-7
D501	H-1	IC4	S-2	Q10	R-5	Q410	B-4	RV14	B-1	TP404	B-6
D502	G-3	IC5	R-1	Q11	R-5	Q411	A-3	RV15	C-3	TP501	J-5
D503	G-4	IC6	N-1	Q12	R-5	Q412	B-4	RV16	M-1	TP502	L-7
D504	G-3	IC7	N-1	Q13	T-4	Q501	M-6	RV201	K-2	TP503	J-7
D505	G-3	IC8	N-3	Q14	S-4	Q503	J-6	RV251	S-4	TP504	C-7
D506	G-7	IC9	L-3	Q15	S-4	Q504	K-6	RV301	L-5	TP505	H-1
D508	F-6	IC10	K-3	Q16	S-4	Q505	K-5	RV401	C-3	TP506	F-1
D509	F-6	IC11	K-4	Q17	S-2	Q506	J-5	RV402	C-3	TP507	F-2
D510	F-6	IC12	B-2	Q18	S-2	Q507	J-5	RV403	B-4	TP508	F-1
D511	E-5	IC201	K-1	Q19	S-1	Q508	H-4	RV501	L-6	TP509	F-1
D512	E-5	IC202	L-1	Q20	R-1	Q509	J-6	RV502	K-5	TP510	H-6
D513	D-4	IC203	L-1	Q21	M-2	Q510	J-6	RV503	L-7	TP511	L-7
D514	E-2	IC204	K-2	Q22	M-1	Q519	J-7	RV504	D-6	TP512	F-2
D515	E-2	IC251	R-4	Q23	P-3	Q520	H-6	RV505	G-1	TP513	G-2
D516	E-2	IC301	N-5	Q24	M-3	Q521	F-2	RV506	D-1	TP514	G-2
D517	E-2	IC302	M-5	Q25	L-3	Q522	J-4	RV507	D-1	TP515	H-5
D518	E-6	IC303	M-5	Q26	K-3	Q523	F-3	RV508	E-1	TP516	G-5
D519	E-6	IC304	N-4	Q27	L-3	Q524	F-4	RV509	E-1	TP517	G-5
D520	F-6	IC305	L-4	Q28	K-3	Q525	G-3	RV510	E-1	TP518	F-5
D521	F-4	IC401	B-3	Q29	K-3	Q526	G-3	RV511	E-1	TP519	E-5
D522	F-4	IC402	C-4	Q30	K-3	Q527	G-3	RV513	H-6	TP520	C-5
		IC403	A-4	Q31	J-2	Q528	G-6	RV514	H-7	TP521	E-4
DL1	T-3	IC404	B-5	Q32	J-5	Q529	G-6	RV516	G-6	TP522	E-3
DL2	S-3	IC405	B-7	Q33	K-5	Q530	G-6	RV517	J-3	TP523	E-3
DL3	N-2	IC406	B-6	Q34	C-1	Q532	G-7	RV518	G-3	TP524	E-3
DL4	J-3	IC407	B-6	Q35	B-1	Q533	F-5	RV519	H-6	TP525	D-2
DL501	N-7	IC408	B-5	Q36	C-2	Q534	F-6	RV520	C-5	TP528	H-5
DL502	K-6	IC501	M-6	Q37	N-1	Q535	F-6	RV521	D-3	TP529	H-4
DL504	D-7	IC502	M-7	Q38	C-3	Q536	F-7	RV522	D-3	TP530	D-4
DL506	E-6	IC503	L-6	Q39	D-2	Q537	E-5	RV523	E-3	TP531	H-5
		IC504	K-5	Q40	R-3	Q538	D-5	RV524	L-5	TP532	F-3
E1	P-5	IC505	K-7	Q41	R-3	Q539	E-4				
E2	T-2	IC506	D-6	Q42	A-1	Q540	E-5	S501	F-1	X501	H-3





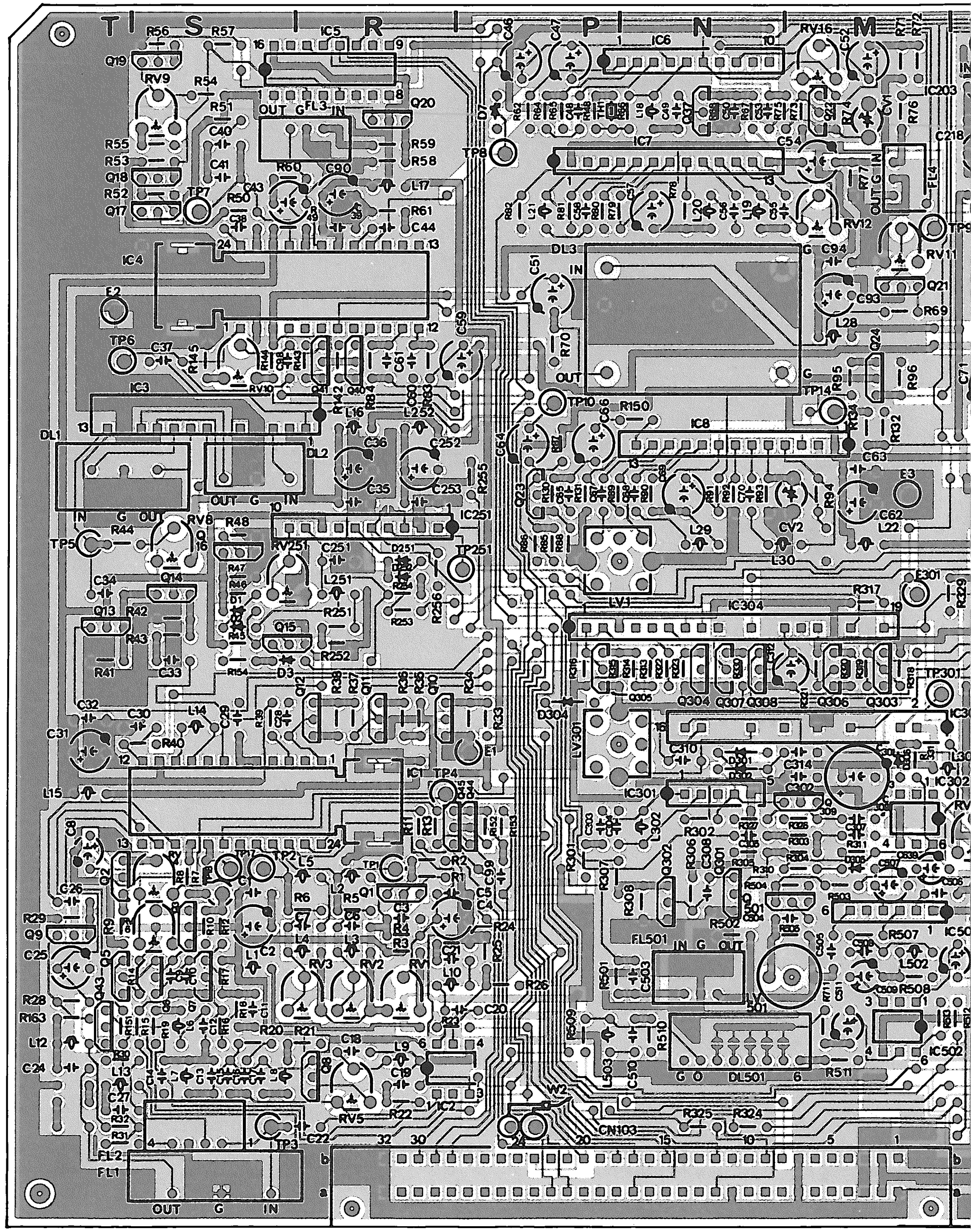
DM-54 —COMPONENT SIDE—
1-622-707-11(1)
BVU-950

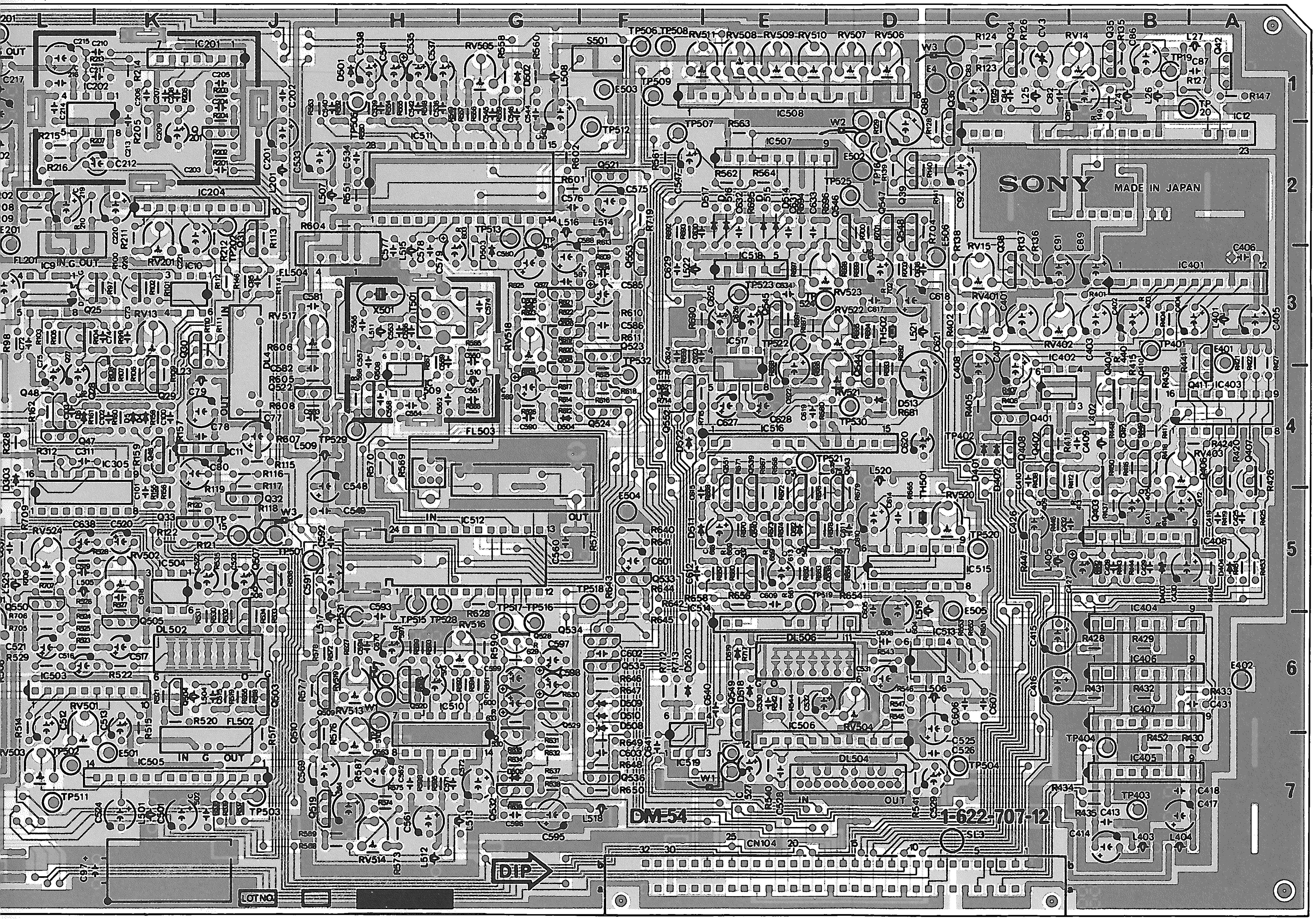
DM-54; Y/C DEMODULATOR

S/N 10021 TO 10120(J)
S/N 10381 TO 11180(UC)

DM-54 (1-622-707-12)

CN103	P-7
CN104	D-7
CV1	M-1
CV2	M-4
CV3	C-1
D1	S-4
D2	S-4
D3	S-4
D4	K-4
D5	K-4
D6	L-4
D7	P-1
D251	R-4
D252	R-4
D301	N-5
D302	N-5
D303	L-4
D304	P-5
D305	M-6
D306	M-5
D401	C-4
D402	C-4
D403	B-5
D404	A-5
D501	H-1
D502	G-1
D503	G-3
D504	G-4
D505	G-3
D506	G-7
D508	F-6
D509	F-6
D510	F-6
D511	E-5
D512	E-5
D513	D-4
D514	E-2
D515	E-2
D516	E-2
D517	E-2
D518	E-6
D519	E-6
D520	F-6
D521	F-4
D522	F-4
DL1	T-3
DL2	S-3
DL3	N-2
DL4	J-3
DL501	N-7
DL502	K-6
DL504	D-7
DL506	E-6
E1	P-5
E2	T-2
E3	M-3
E4	D-1
E201	L-2
E301	M-4
E401	A-3
E402	A-6
E501	L-7
E502	D-2
E503	F-1
E504	F-5
E505	C-5
E506	D-3
FL1	S-7
FL2	S-7
FL3	R-1
FL4	M-2
FL201	L-3
FL501	N-6
FL502	K-7
FL503	G-4
FL504	J-3
IC1	S-5
IC2	R-7
IC3	S-3
IC4	S-2
IC5	R-1
IC6	N-1
IC7	N-1
IC8	N-3
IC9	L-3
IC10	K-3
IC11	K-4
IC12	B-2
IC201	K-1
IC202	L-1
IC203	L-1
IC204	K-2
IC251	R-4
IC301	N-5
IC302	M-5
IC303	M-5
IC304	N-4
IC305	L-4
IC401	B-3
IC402	C-4
IC403	A-4
IC404	B-6
IC405	B-7
IC406	B-6
IC407	B-6
IC408	B-5
IC501	M-6
IC502	M-7
IC503	L-6
IC504	K-5
IC505	K-7
IC506	D-7
IC507	E-2
IC508	E-1
IC509	H-4
IC510	H-6
IC511	G-2
IC512	H-5
IC513	D-6
IC514	E-6
IC515	D-5
IC516	E-4
IC517	E-4
IC518	E-3
IC519	F-7
LV1	N-4
LV301	P-5
LV501	N-7
Q1	R-6
Q2	T-6
Q3	S-6
Q5	T-6
Q6	S-6
Q7	S-6
Q8	R-7
Q9	T-6
Q10	R-5
Q11	R-5
Q12	R-5
Q13	T-4
Q14	S-4
Q15	S-4
Q16	S-4
Q17	S-2
Q18	S-2
Q19	S-1
Q20	R-1
Q21	M-2
Q22	M-1
Q23	P-3
Q24	M-3
Q25	L-3
Q26	K-3
Q27	L-3
Q28	K-4
Q29	K-4
Q30	K-3
Q31	J-2
Q32	J-5
Q33	K-5
Q34	C-1
Q35	B-1
Q36	C-2
Q37	N-1
Q38	C-3
Q39	D-2
Q40	R-3
Q41	R-3
Q42	A-1
Q43	T-7
Q44	P-5
Q45	R-5
Q46	K-4
Q47	L-4
Q48	L-4
Q201	J-2
Q202	L-2
Q301	N-6
Q302	N-6
Q303	M-5
Q304	N-5
Q305	P-5
Q306	M-5
Q307	N-5
Q308	N-5
Q309	M-5
Q401	C-4
Q402	C-4
Q403	B-4
Q404	B-4
Q405	B-4
Q406	A-4
Q407	A-4
Q408	C-4
Q409	C-4
Q410	B-4
Q411	A-3
Q412	B-4
Q501	M-6
Q503	J-6
Q504	K-6
Q505	K-6
Q506	J-5
Q507	J-5
Q508	H-4
Q509	J-6
Q510	J-6
Q519	J-7
Q520	H-6
Q521	F-2
Q522	J-4
Q523	F-3
Q524	F-4
Q525	G-4
Q526	G-3
Q527	G-3
Q528	G-6
Q529	G-6
Q530	G-7
Q532	G-7
Q533	F-5
Q534	F-6
Q535	F-6
Q536	F-7
Q537	E-5
Q538	D-5
Q539	E-4
Q540	E-5
Q541	E-4
Q542	E-5
Q543	D-4
Q544	D-3
Q545	E-3
Q546	D-2
Q547	D-2
Q548	D-2
Q549	E-6
Q550	L-5
Q551	E-4
Q552	F-4
Q553	F-3
RV1	R-6
RV2	R-6
RV3	S-7
RV4	S-6
RV5	R-7
RV6	S-6
RV8	S-4
RV9	S-1
RV10	S-3
RV11	M-2
RV12	M-2
RV13	K-3
RV14	B-1
RV15	C-3
RV16	M-1
RV201	K-2
RV251	S-4
RV301	L-6
RV401	C-3
RV402	C-3
RV403	B-4
RV501	L-6
RV502	K-5
RV503	L-7
RV504	D-6
RV505	G-1
RV506	D-1
RV507	D-1
RV508	E-1
RV509	E-1
RV510	E-1
RV511	E-1
RV513	H-7
RV514	H-7
RV516	G-6
RV517	J-3
RV518	G-3
RV519	H-6
RV520	C-5
RV521	D-4
RV522	D-3
RV523	D-3
RV524	L-5
S501	F-1
T501	H-3
TP1	R-6
TP2	S-6
TP3	S-7
TP4	R-5
TP5	T-4
TP6	T-3
TP7	S-2
TP8	P-1
TP9	M-2
TP10	P-3
TP14	M-3
TP15	J-5
TP16	D-2
TP17	S-6
TP18	S-6
TP19	B-1
TP20	A-1
TP201	L-1
TP202	J-2
TP251	P-4
TP301	M-5
TP401	B-3
TP402	C-4
TP403	B-7
TP404	B-7
TP501	J-5
TP502	L-7
TP503	J-7
TP504	C-7
TP505	H-1
TP506	F-1
TP507	F-2
TP508	F-1
TP509	F-1
TP510	H-6
TP511	L-7
TP512	F-2
TP513	G-2
TP514	G-2
TP515	H-5
TP516	G-6
TP517	G-6
TP518	F-5
TP519	E-5
TP520	C-5
TP521	E-4
TP522	E-3
TP523	E-3
TP524	E-3
TP525	D-2
TP528	H-5
TP529	H-4
TP530	D-4
TP531	H-6
TP532	F-4
X501	H-3





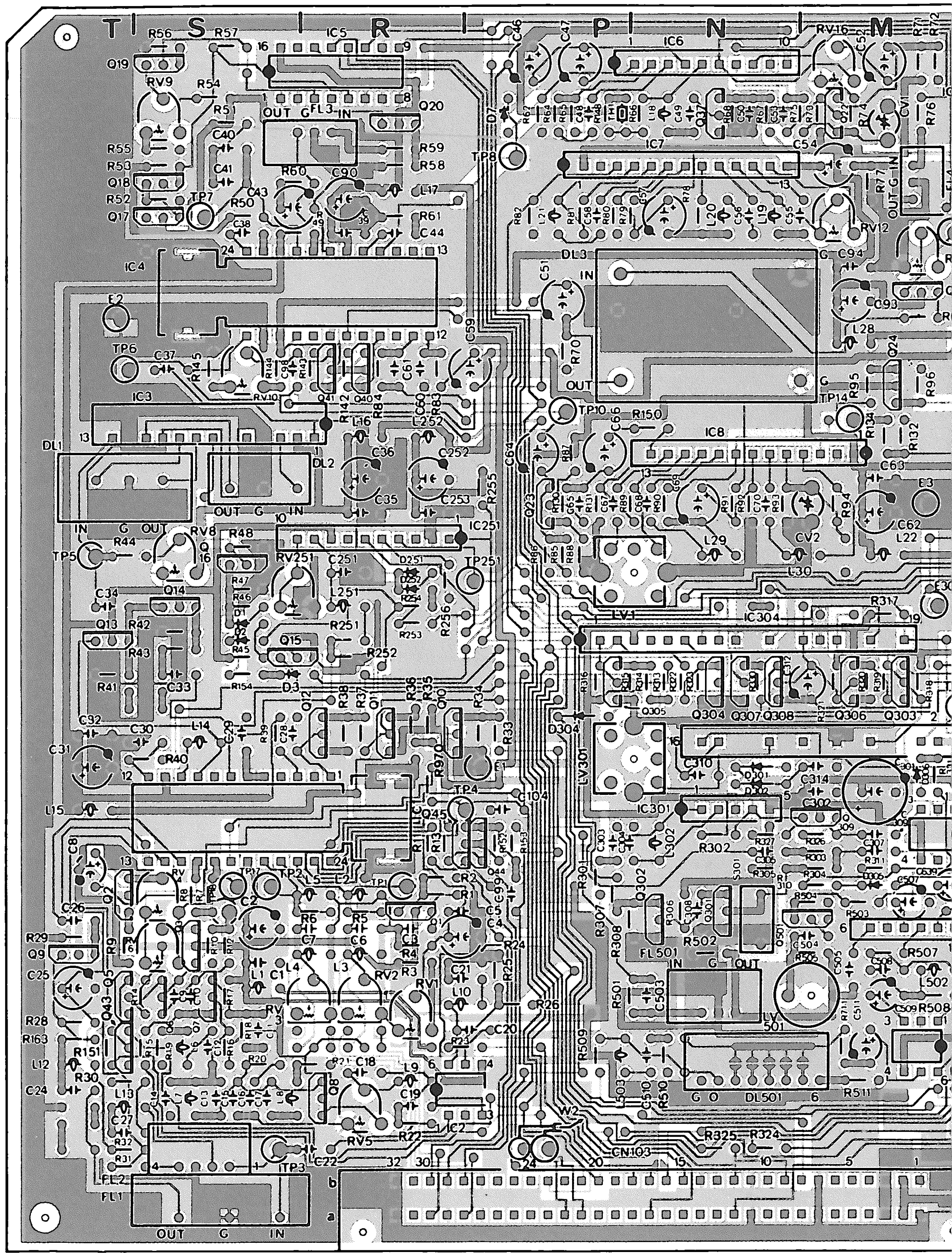
DM-54 —COMPONENT SIDE—
1-622-707-12(1)
BVU-950

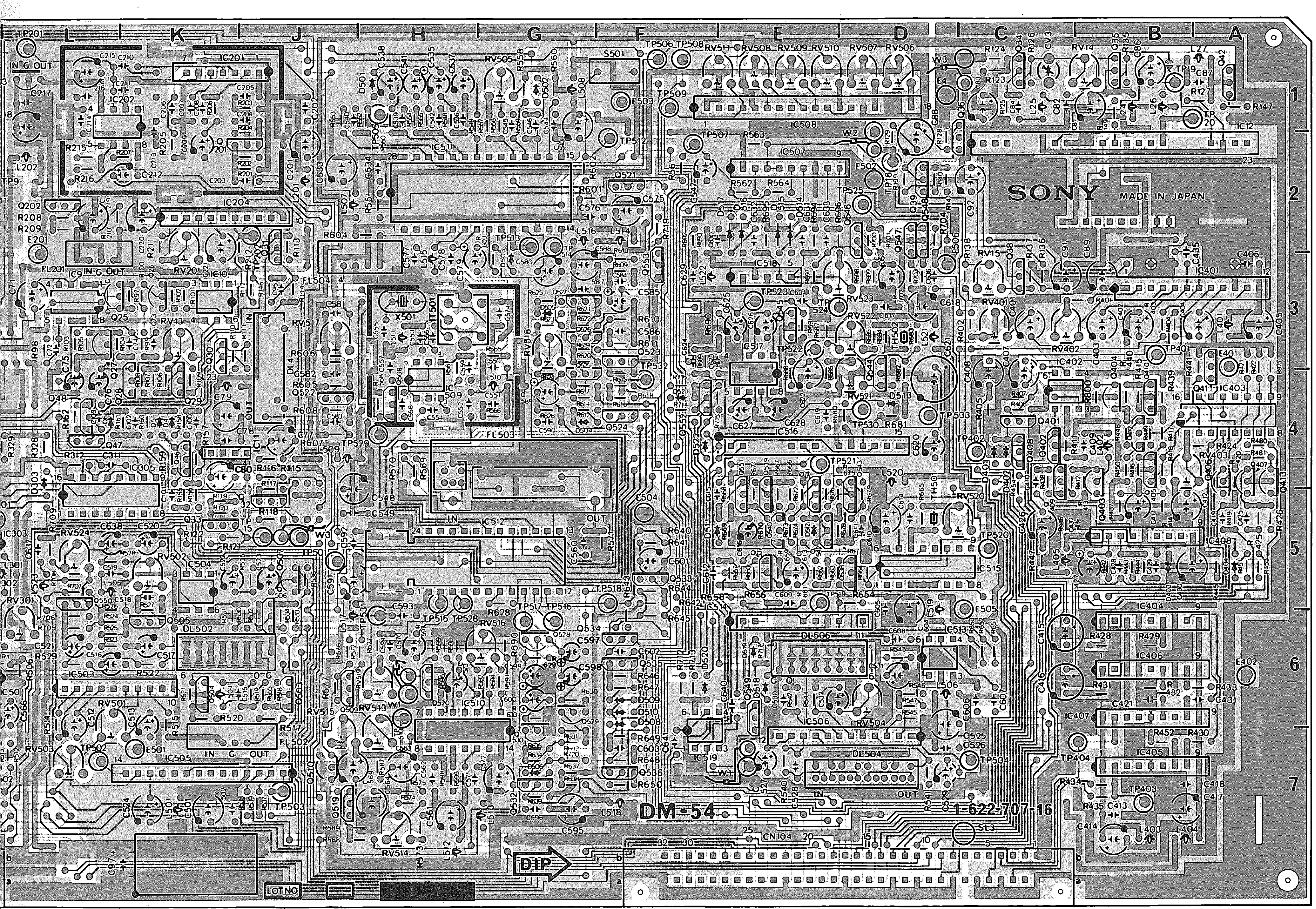
DM-54; Y/C DEMODULATOR

S/N 10121 AND HIGHER(J)
S/N 11181 AND HIGHER(UC)

DM-54 (1-622-707-13,14,15,16)

CN103	P-7
CN104	D-7
CV1	M-1
CV2	M-4
CV3	C-1
D1	S-4
D2	S-4
D3	S-4
D4	K-4
D5	K-4
D6	L-4
D7	P-1
D251	R-4
D252	R-4
D301	N-5
D302	N-5
D303	L-4
D304	P-5
D305	M-6
D306	M-5
D401	C-4
D402	C-4
D403	B-5
D404	A-5
D501	H-1
D502	G-1
D503	G-3
D504	G-4
D505	G-3
D506	G-7
D508	F-6
D509	F-6
D510	F-6
D511	E-5
D512	E-5
D513	D-4
D514	E-2
D515	E-2
D516	E-2
D517	E-2
D518	E-6
D519	E-6
D520	F-6
D521	F-4
D522	F-4
DL1	T-3
DL2	S-3
DL3	N-2
DL4	J-3
DL501	N-7
DL502	K-6
DL504	D-7
DL506	E-6
E1	P-5
E2	T-2
E3	M-3
E4	D-1
E201	L-2
E301	M-4
E401	A-3
E402	A-6
E501	L-7
E502	D-2
E503	F-1
E504	F-5
E505	C-5
E506	D-3
FL1	S-7
FL2	S-7
FL3	R-1
FL4	M-2
FL201	L-3
FL501	N-6
FL502	K-7
FL503	G-4
FL504	J-3
IC1	S-5
IC2	R-7
IC3	S-3
IC4	S-2
IC5	R-1
IC6	N-1
IC7	N-1
IC8	N-3
IC9	L-3
IC10	K-3
IC11	K-4
IC12	B-2
IC201	K-1
IC202	L-1
IC203	L-1
IC204	K-2
IC251	R-4
IC301	N-5
IC302	M-5
IC303	M-5
IC304	N-4
IC305	L-4
IC401	B-3
IC402	C-4
IC403	A-4
IC404	B-6
IC405	B-7
IC406	B-6
IC407	B-6
IC408	B-5
IC501	M-6
IC502	M-7
IC503	L-6
IC504	K-5
IC505	K-7
IC506	D-7
IC507	E-2
IC508	E-1
IC509	H-4
IC510	H-6
IC511	G-2
IC512	H-5
IC513	D-6
IC514	E-6
IC515	D-5
IC516	E-4
IC517	E-4
IC518	E-3
IC519	F-7
LV1	N-4
LV301	P-5
LV501	N-7
Q1	R-6
Q2	T-6
Q3	S-6
Q5	T-6
Q6	S-6
Q7	S-6
Q8	R-7
Q9	T-6
Q10	R-5
Q11	R-5
Q12	R-5
Q13	T-4
Q14	S-4
Q15	S-4
Q16	S-4
Q17	S-2
Q18	S-2
Q19	S-1
Q20	R-1
Q21	M-2
Q22	M-1
Q23	P-3
Q24	M-3
Q25	L-3
Q26	K-3
Q27	L-3
Q28	K-4
Q29	K-4
Q30	K-3
Q31	J-2
Q32	J-5
Q33	K-5
Q34	C-1
Q35	B-1
Q36	C-2
Q37	N-1
Q38	C-3
Q39	D-2
Q40	R-3
Q41	R-3
Q42	A-1
Q43	T-7
Q44	P-5
Q45	R-5
Q46	K-4
Q47	L-4
Q48	L-4
Q201	J-2
Q202	L-2
Q301	N-6
Q302	N-6
Q303	M-5
Q304	N-5
Q305	P-5
Q306	M-5
Q307	N-5
Q308	N-5
Q309	M-5
Q401	C-4
Q402	C-4
Q403	B-4
Q404	B-4
Q405	B-4
Q406	A-4
Q407	A-4
Q408	C-4
Q409	C-4
Q410	B-4
Q411	A-3
Q412	B-4
Q501	M-6
Q503	J-6
Q504	K-6
Q505	K-6
Q506	J-5
Q507	J-5
Q508	H-4
Q509	J-6
Q510	J-7
Q519	J-7
Q520	H-6
Q521	F-2
Q522	J-4
Q523	F-3
Q524	F-4
Q525	G-4
Q526	G-3
Q527	G-3
Q528	G-6
Q529	G-6
Q530	G-7
Q532	G-7
Q533	F-5
Q534	F-6
Q535	F-6
Q536	F-7
Q537	E-5
Q538	D-5
Q539	E-4
Q540	E-5
Q541	E-4
Q542	E-5
Q543	D-4
Q544	D-3
Q545	E-3
Q546	D-2
Q547	D-2
Q548	D-2
Q549	E-6
Q550	L-5
Q551	E-4
Q552	F-4
Q553	F-3
RV1	R-6
RV2	R-6
RV3	S-7
RV4	S-6
RV5	R-7
RV6	S-6
RV8	S-4
RV9	S-1
RV10	S-3
RV11	M-2
RV12	M-2
RV13	K-3
RV14	B-1
RV15	C-3
RV16	M-1
RV201	K-2
RV251	S-4
RV301	L-6
RV401	C-3
RV402	C-3
RV403	B-4
RV501	L-6
RV502	K-5
RV503	L-7
RV504	D-6
RV505	G-1
RV506	D-1
RV507	D-1
RV508	E-1
RV509	E-1
RV510	E-1
RV511	E-1
RV513	H-7
RV514	H-7
RV515	J-7
RV516	G-6
RV517	J-3
RV518	G-3
RV519	H-6
RV520	C-5
RV521	D-4
RV522	D-3
RV523	D-3
RV524	L-5
S301	N-6
S501	F-1
T501	H-3
TP1	R-6
TP2	S-6
TP3	S-7
TP4	R-5
TP5	T-4
TP6	T-3
TP7	S-2
TP8	P-1
TP9	M-2
TP10	P-3
TP14	M-3
TP15	J-5
TP16	D-2
TP17	S-6
TP18	S-6
TP19	B-1
TP20	A-1
TP201	L-1
TP202	J-2
TP251	P-4
TP301	M-5
TP401	B-3
TP402	C-4
TP403	B-7
TP404	B-7
TP501	J-5
TP502	L-7
TP503	J-7
TP504	C-7
TP505	H-1
TP506	F-1
TP507	F-2
TP508	F-1
TP509	F-1
TP510	H-6
TP512	F-2
TP513	G-2
TP514	G-2
TP515	H-5
TP516	G-6
TP517	G-6
TP518	F-5
TP519	E-5
TP520	C-5
TP521	E-4
TP522	E-3
TP523	E-3
TP524	E-3
TP525	D-2
TP528	H-5
TP529	H-4
TP530	D-4
TP531	H-6
TP532	F-4
TP533	D-4
X501	H-3

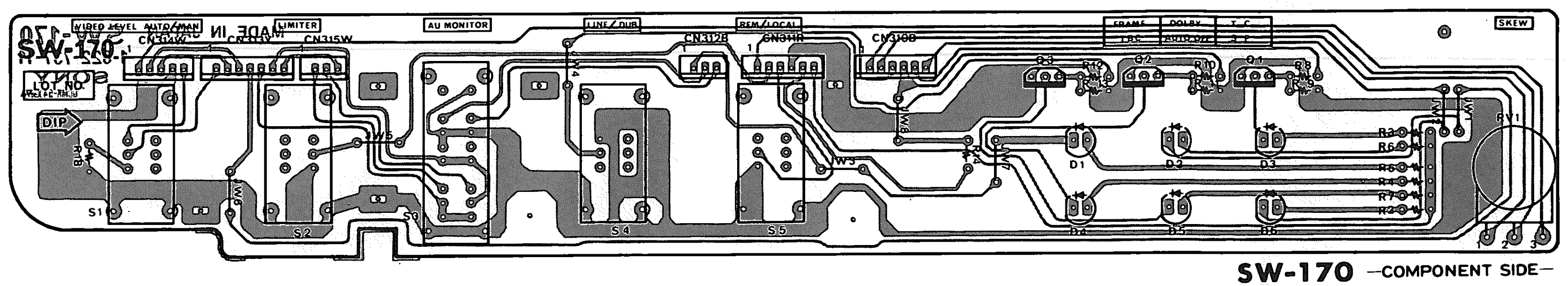




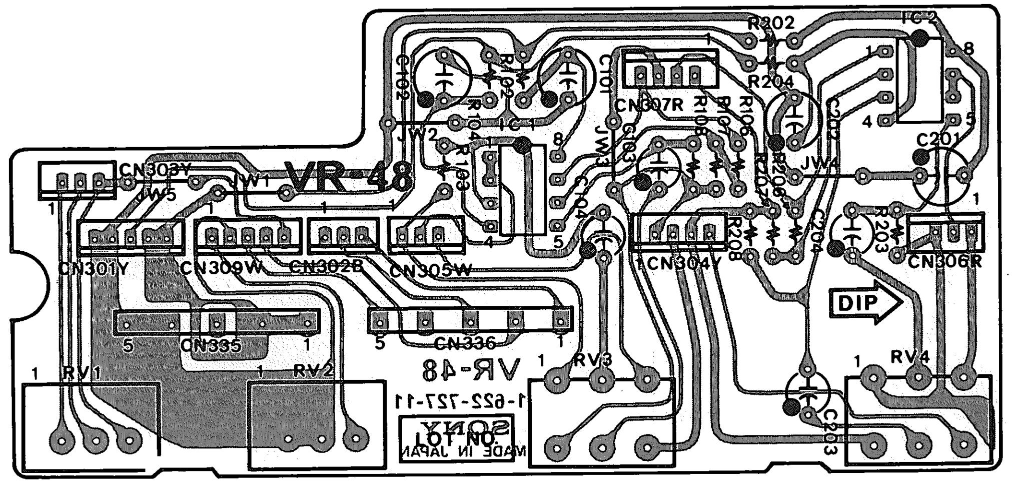
DM-54 – COMPONENT SIDE –
1-622-707-13, 14, 15, 16(4)
BVU-950

SW-170; SELECT SWITCH/WARNING INDICATOR
VR-48; VIDEO/AUDIO/TRACKING LEVEL CONTROL
MT-28; VIDEO/AUDIO/LEVEL METER

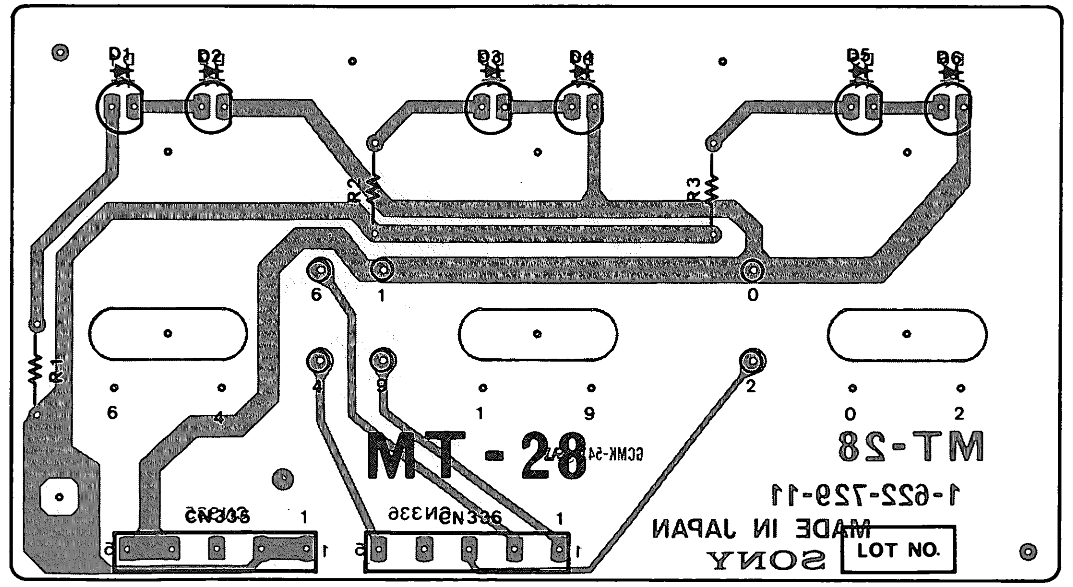
S/N UP TO 10260(J)
S/N UP TO 12590(UC)



SW-170 —COMPONENT SIDE—
1-622-737-11(1)
BVU-950
BVU-950P



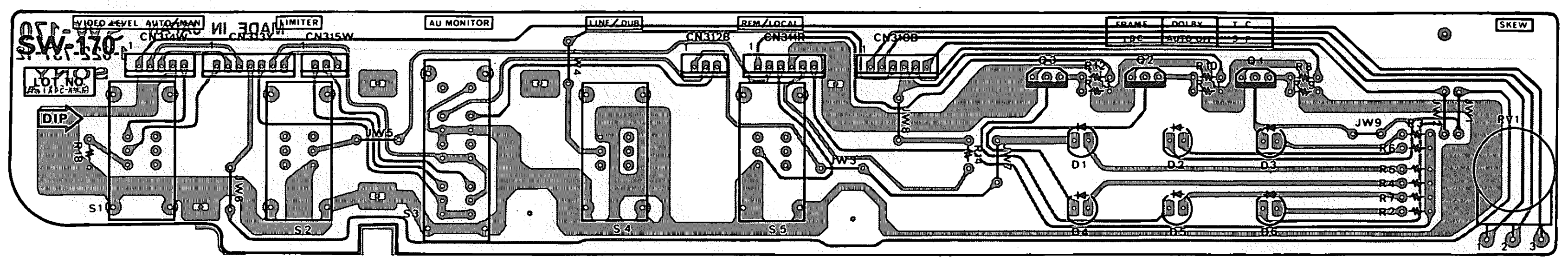
VR-48 —COMPONENT SIDE—
1-622-727-11(1)
BVU-950
BVU-950P



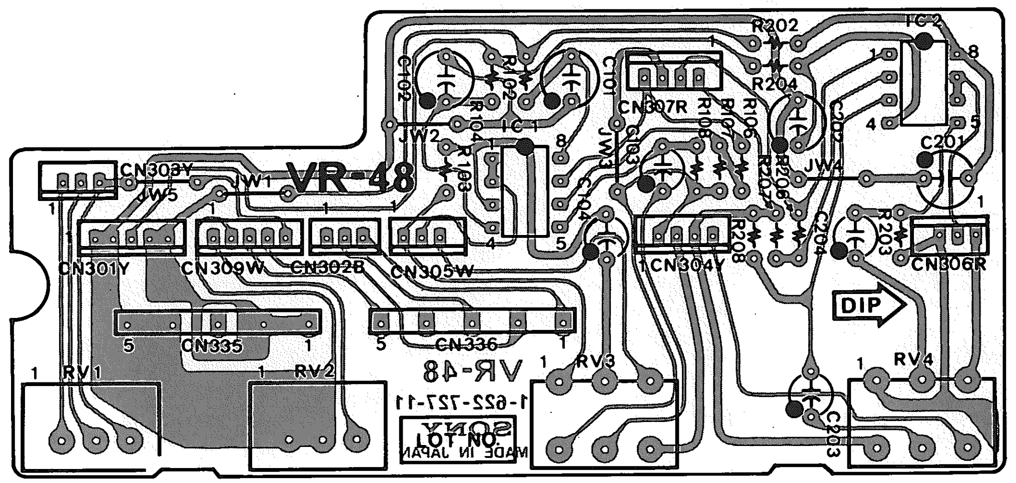
MT-28 —COMPONENT SIDE—
1-622-729-11(1)
BVU-950
BVU-950P

SW-170; SELECT SWITCH/WARNING INDICATOR
VR-48; VIDEO/AUDIO/TRACKING LEVEL CONTROL
MT-28; VIDEO/AUDIO/LEVEL METER

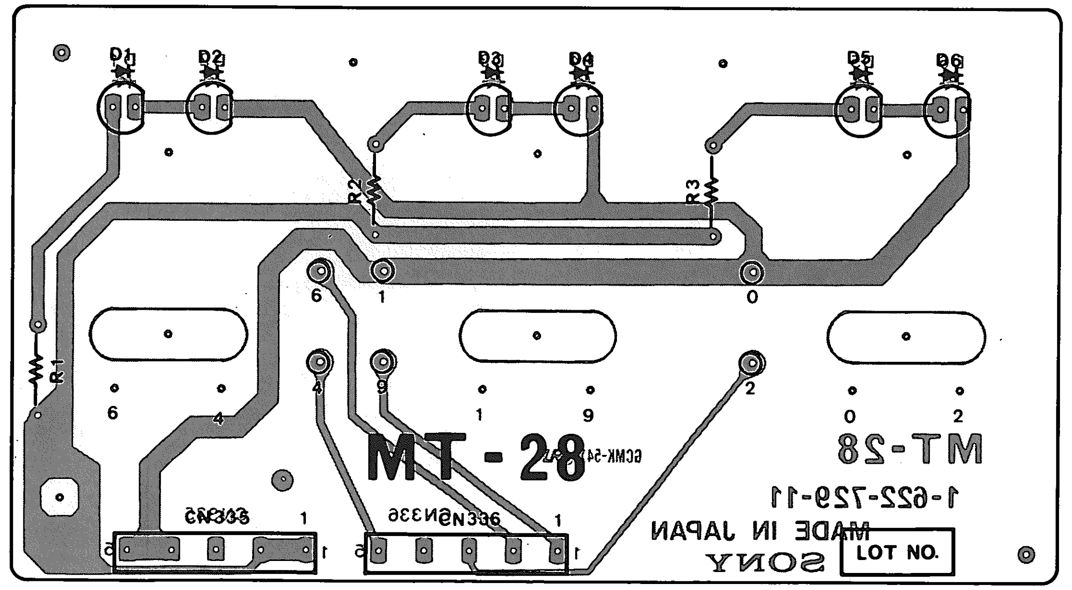
S/N 10261 AND HIGHER(J)
S/N 12591 AND HIGHER(UC)



SW-170 —COMPONENT SIDE—
1-622-737-12(1)
BVU-950
BVU-950P



VR-48 —COMPONENT SIDE—
1-622-727-11(1)
BVU-950
BVU-950P



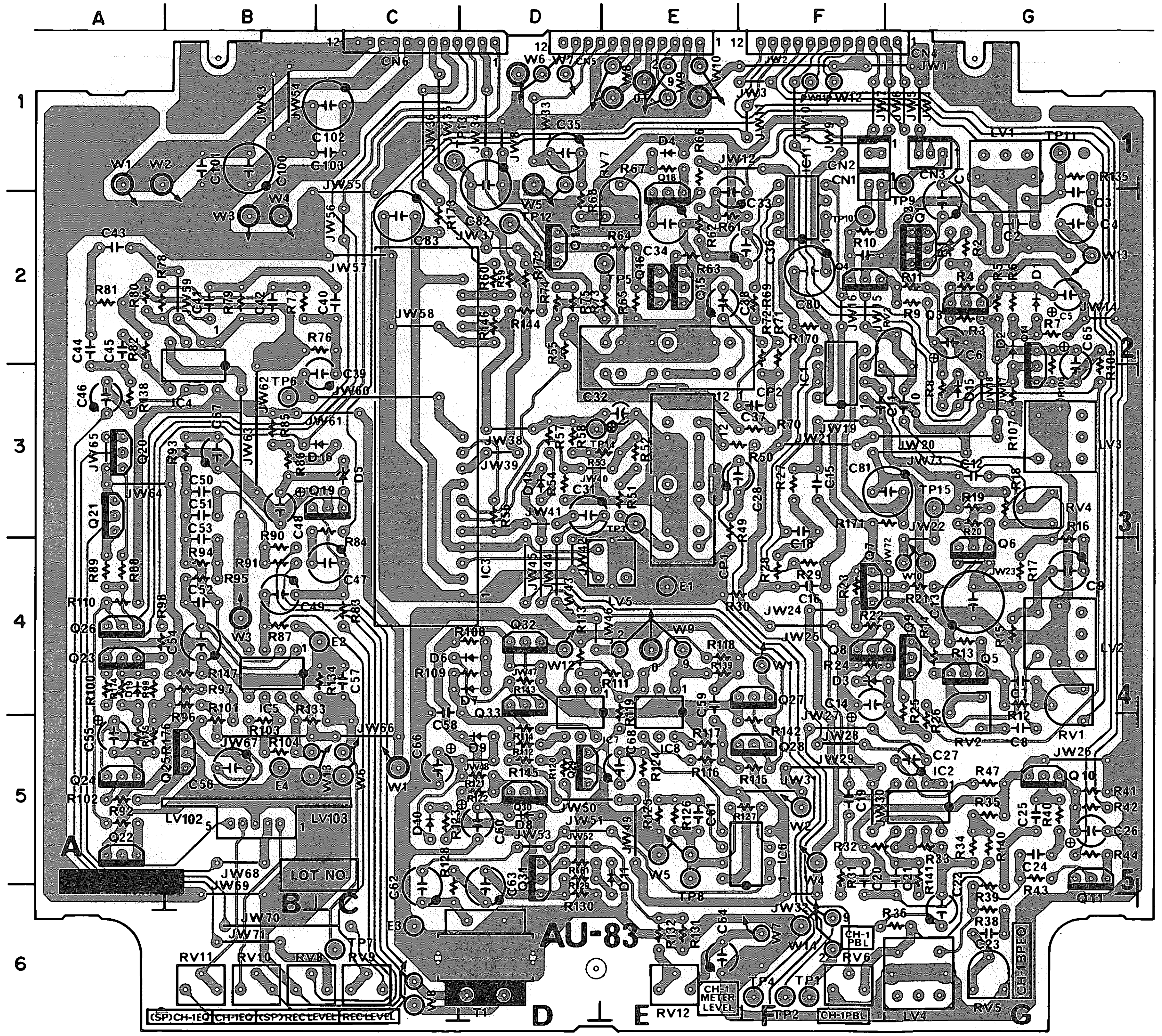
MT-28 —COMPONENT SIDE—
1-622-729-11(1)
BVU-950
BVU-950P

AU-83; CH-1 REC/PB /DOLBY PROCESSOR
DUS-71; VARIABLE COIL

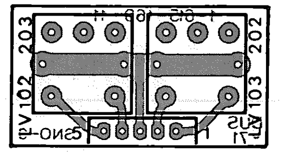
S/N UP TO 10220(J)
S/N UP TO 11680(UC)

AU-83 (1-622-700-11)

CN1	F-1
CN2	F-1
CN3	G-1
CN4	F-1
CN5	E-1
CN6	C-1
CP1	E-3
CP2	E-2
D1	G-2
D2	G-2
D3	F-4
D4	E-1
D5	C-3
D6	D-4
D7	D-4
D8	D-5
D9	D-5
D10	C-5
D11	E-5
D14	D-3
D15	G-3
D16	C-3
D19	A-4
E1	E-4
E2	C-4
E3	C-6
E4	B-5
IC1	F-3
IC2	G-5
IC3	C-3
IC4	B-2
IC5	B-4
IC6	F-5
IC7	D-5
IC8	E-5
IC11	F-2
LV1	G-1
LV2	G-4
LV3	G-3
LV4	G-6
LV5	E-4
LV102	B-5
LV103	B-5
Q1	G-2
Q2	G-2
Q3	G-2
Q4	F-2
Q5	G-4
Q6	G-4
Q7	F-4
Q8	F-4
Q9	G-4
Q10	G-5
Q11	G-5
Q14	G-2
Q15	E-2
Q16	E-2
Q17	D-2
Q18	E-1
Q19	C-3
Q20	A-3
Q21	A-3
Q22	A-5
Q23	A-4
Q24	A-5
Q25	B-5
Q26	A-4
Q27	F-4
Q28	F-5
Q29	D-5
Q30	D-5
Q31	D-5
Q32	D-4
Q33	D-4
RV1	G-5
RV2	G-5
RV3	G-2
RV4	G-3
RV5	G-6
RV6	F-6
RV7	E-2
RV8	B-6
RV9	C-6
RV10	B-6
RV11	B-6
RV12	E-6
T1	D-6
TP1	F-6
TP2	F-6
TP3	E-3
TP4	F-6
TP5	E-2
TP6	B-3
TP7	C-6
TP8	E-5
TP9	G-1
TP10	F-2
TP11	G-1
TP12	D-2
TP13	C-1
TP14	D-3
TP15	G-3



AU-83/A —COMPONENT SIDE—
1-622-700-11(1)
BVU-950
BVU-950P



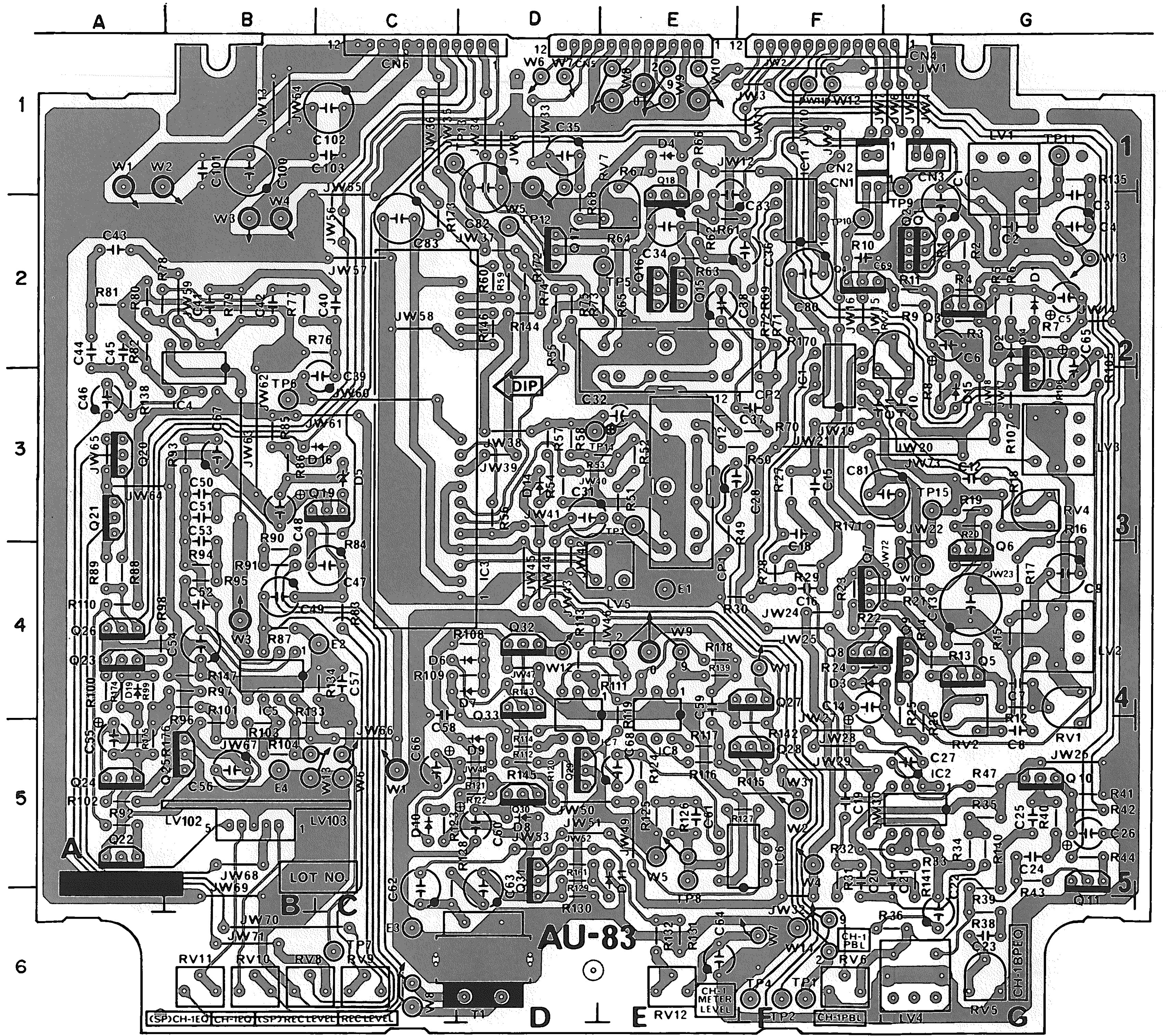
DUS-71 —COMPONENT SIDE—
1-615-169-11(1)
BVU-950
BVU-950P

AU-83; CH-1 REC/PB /DOLBY PROCESSOR
DUS-71; VARIABLE COIL

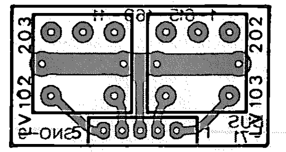
S/N 10221 TO 10485(J)
S/N 11681 TO 13590(UC)

AU-83 (1-622-700-12)

CN1	F-1	Q11	G-5
CN2	F-1	Q14	G-2
CN3	G-1	Q15	E-2
CN4	F-1	Q16	E-2
CN5	E-1	Q17	D-2
CN6	C-1	Q18	E-1
		Q19	C-3
CP1	E-3	Q20	A-3
CP2	E-2	Q21	A-3
		Q22	A-5
D1	G-2	Q23	A-4
D2	G-2	Q24	A-5
D3	F-4	Q25	B-5
D4	E-1	Q26	A-4
D5	C-3	Q27	F-4
D6	D-4	Q28	F-5
D7	D-4	Q29	D-5
D8	D-5	Q30	D-5
D9	D-5	Q31	D-5
D10	C-5	Q32	D-4
D11	E-5	Q33	D-4
D14	D-3		
D15	G-3	RV1	G-5
D16	C-3	RV2	G-5
D19	A-4	RV3	G-2
		RV4	G-3
E1	E-4	RV5	G-6
E2	C-4	RV6	F-6
E3	C-6	RV7	E-2
E4	B-5	RV8	B-6
		RV9	C-6
IC1	F-3	RV10	B-6
IC2	G-5	RV11	B-6
IC3	C-3	RV12	E-6
IC4	B-2		
IC5	B-4	T1	D-6
IC6	F-5		
IC7	D-5	TP1	F-6
IC8	E-5	TP2	F-6
IC11	F-2	TP3	E-3
		TP4	F-6
LV1	G-1	TP5	E-2
LV2	G-4	TP6	B-3
LV3	G-3	TP7	C-6
LV4	G-6	TP8	E-5
LV5	E-4	TP9	G-1
LV102	B-5	TP10	F-2
LV103	B-5	TP11	G-1
		TP12	D-2
Q1	G-2	TP13	C-1
Q2	G-2	TP14	D-3
Q3	G-2	TP15	G-3
Q4	F-2		
Q5	G-4		
Q6	G-4		
Q7	F-4		
Q8	F-4		
Q9	G-4		
Q10	G-5		



AU-83/A —COMPONENT SIDE—
1-622-700-12(1)
BVU-950
BVU-950P



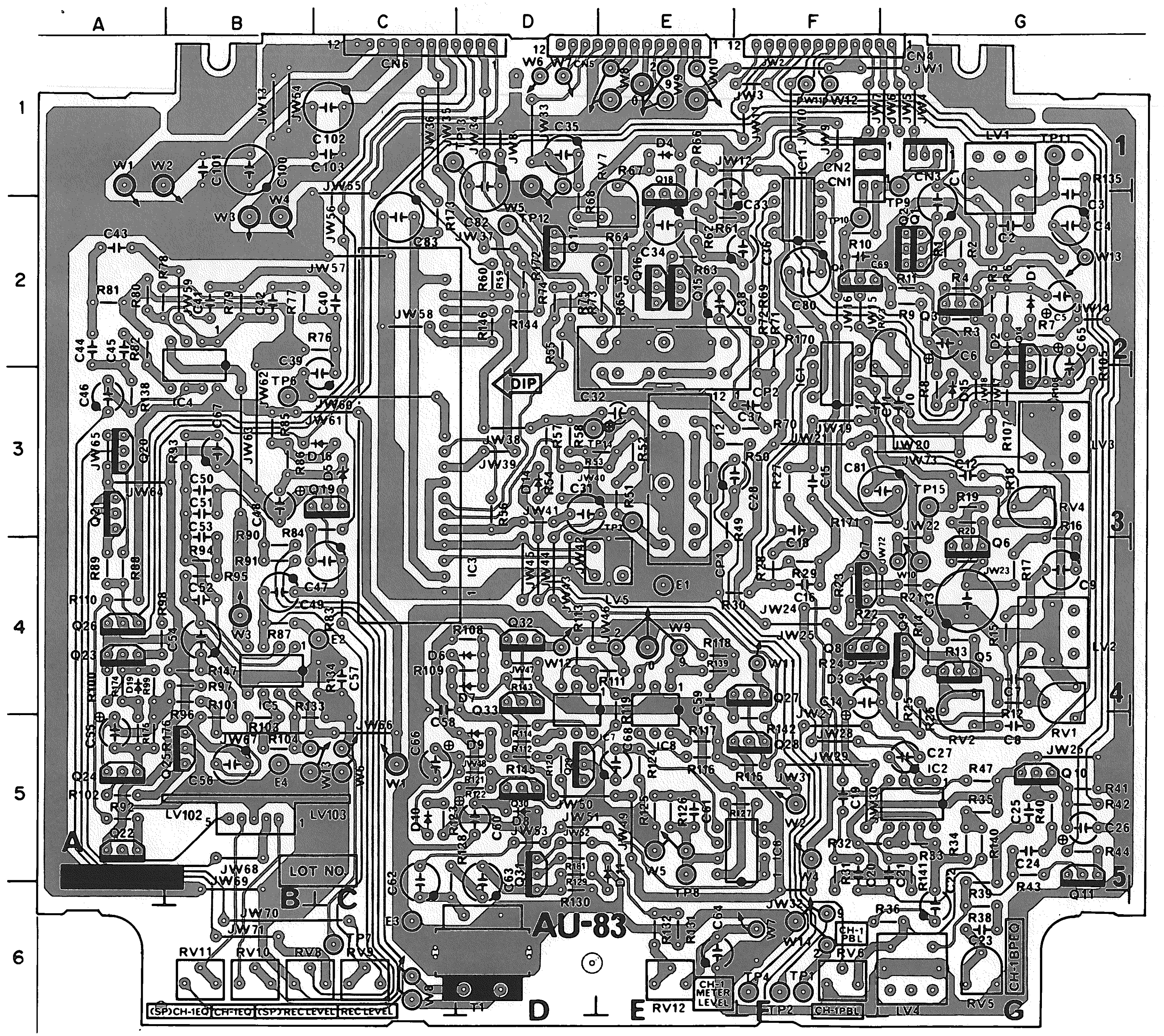
DUS-71 —COMPONENT SIDE—
1-615-169-11(1)
BVU-950
BVU-950P

AU-83; CH-1 REC/PB/DOLBY PROCESSOR
DUS-71; VARIABLE COIL

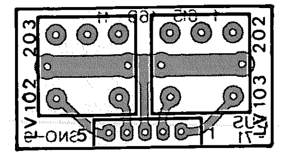
S/N 10486 AND HIGHER(J)
S/N 13591 AND HIGHER(UC)

AU-83 (1-622-700-13)

CN1	F-1
CN2	F-1
CN3	G-1
CN4	F-1
CN5	E-1
CN6	C-1
CP1	E-3
CP2	E-2
D1	G-2
D2	G-2
D3	F-4
D4	E-1
D5	C-3
D6	D-4
D7	D-4
D8	D-5
D9	D-5
D10	C-5
D11	E-5
D14	D-3
D15	G-3
D16	C-3
D19	A-4
E1	E-4
E2	C-4
E3	C-6
E4	B-5
IC1	F-3
IC2	G-5
IC3	C-3
IC4	B-3
IC5	B-4
IC6	F-5
IC7	D-5
IC8	E-5
IC11	F-2
LV1	G-1
LV2	G-4
LV3	G-3
LV4	G-6
LV5	E-4
LV102	B-5
LV103	B-5
Q1	G-2
Q2	G-2
Q3	G-2
Q4	F-2
Q5	G-4
Q6	G-4
Q7	F-4
Q8	F-4
Q9	G-4
Q10	G-5
Q11	G-5
Q14	G-2
Q15	E-2
Q16	E-2
Q17	D-2
Q18	E-2
Q19	C-3
Q20	A-3
Q21	A-3
Q22	A-5
Q23	A-3
Q24	A-5
Q25	B-5
Q26	A-4
Q27	F-4
Q28	F-5
Q29	D-5
Q30	D-5
Q31	D-5
Q32	D-4
Q33	D-4
RV1	G-4
RV2	G-5
RV3	G-2
RV4	G-3
RV5	G-6
RV6	F-6
RV7	E-2
RV8	B-6
RV9	C-6
RV10	B-6
RV11	B-6
RV12	E-6
T1	D-6
TP1	F-6
TP2	F-6
TP3	E-3
TP4	F-6
TP5	E-2
TP6	B-3
TP7	C-6
TP8	E-5
TP9	G-1
TP10	F-2
TP11	G-1
TP12	D-2
TP13	C-1
TP14	D-3
TP15	G-3



AU-83/A —COMPONENT SIDE—
1-622-700-13(1)
BVU-950
BVU-950P



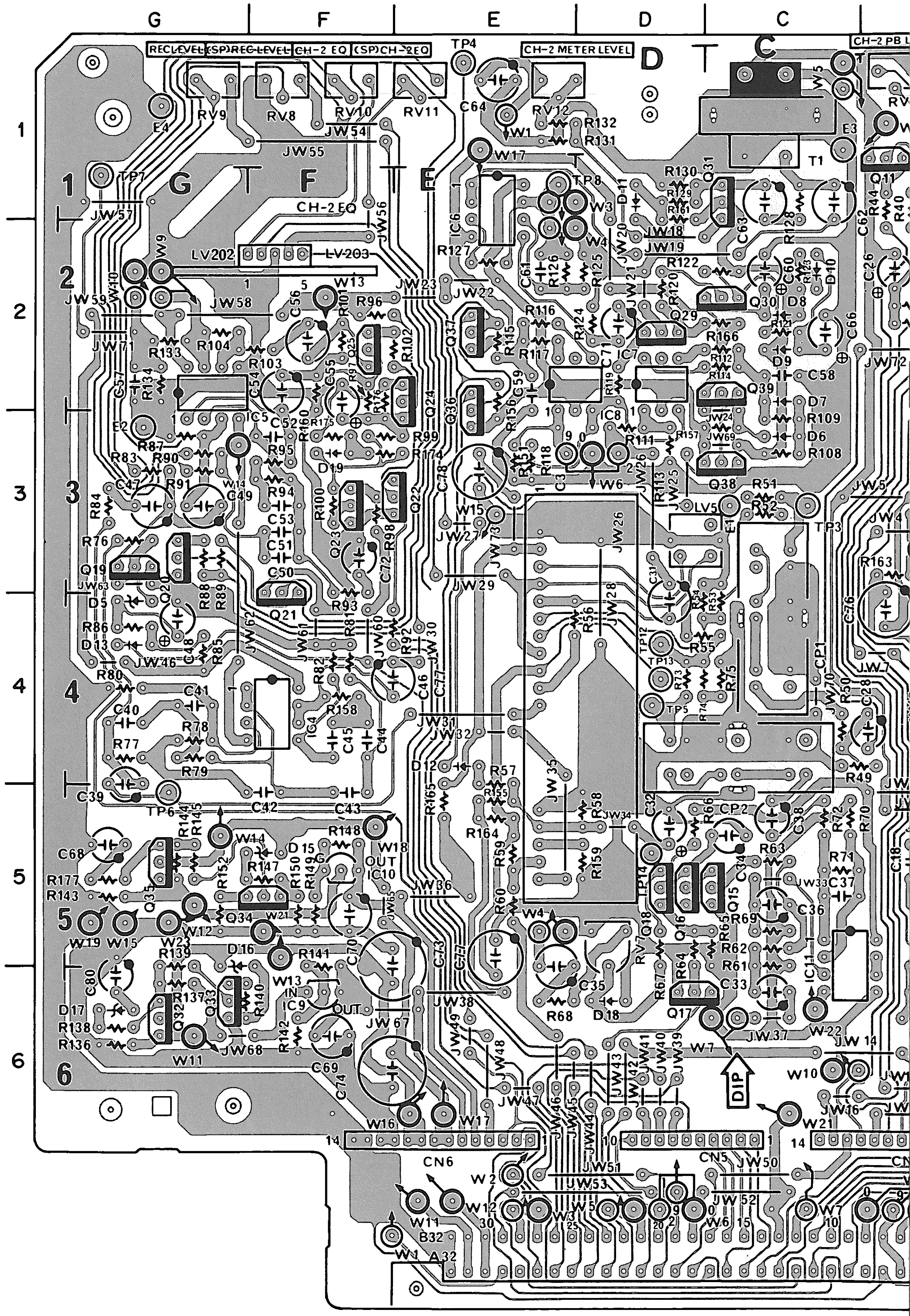
DUS-71 —COMPONENT SIDE—
1-615-169-11, 12(1)
BVU-950
BVU-950P

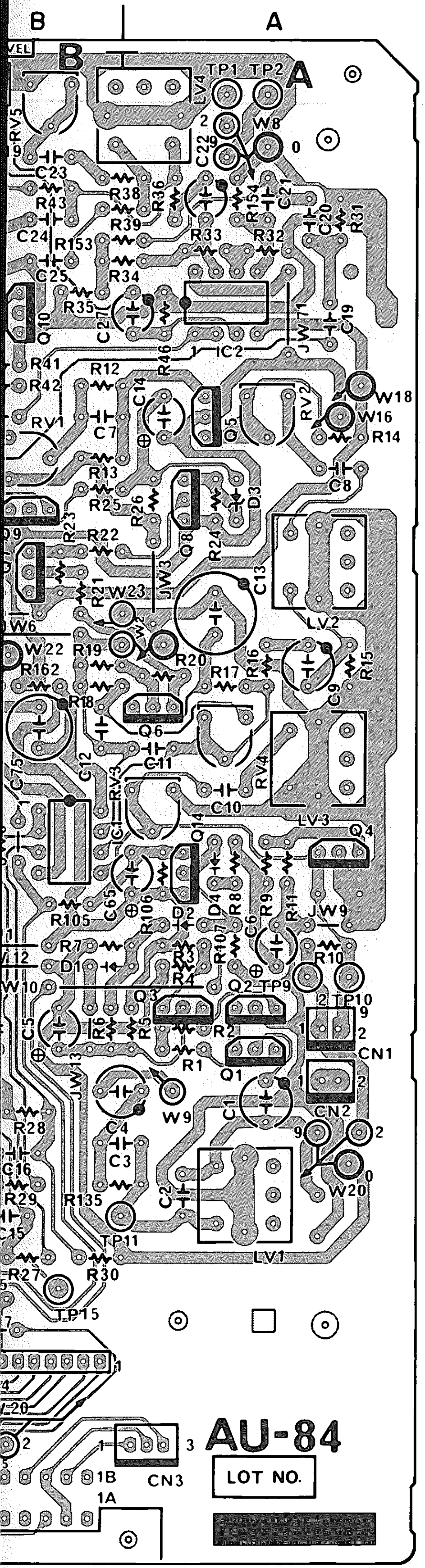
AU-84; CH-2 REC/PB AMPLIFIER
DUS-71; VARIABLE COIL
HN-77; JUNCTION BOARD

S/N UP TO 10220(J)
S/N UP TO 11680(UC)

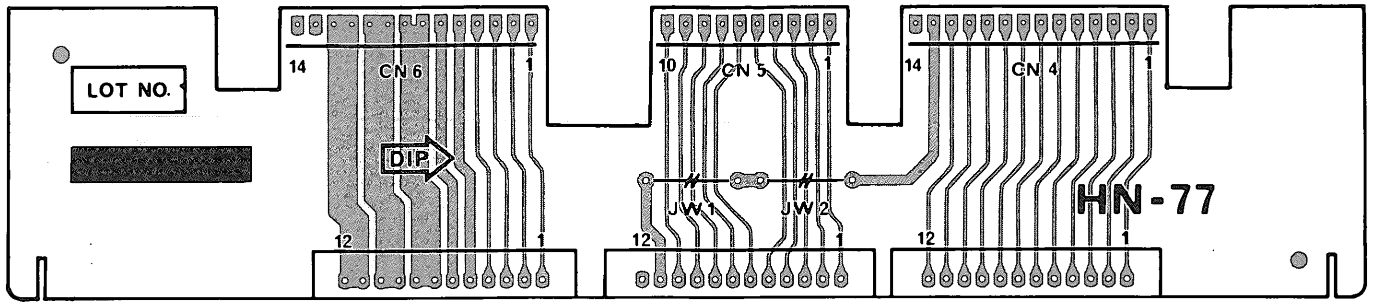
AU-84 (1-622-701-11)

CN1	A-5	Q7	B-3
CN2	A-5	Q8	A-3
CN3	A-6	Q9	B-3
CN4	B-6	Q10	B-2
CN5	D-6	Q11	B-1
CN6	E-6	Q14	A-4
		Q15	C-5
CP1	C-4	Q16	D-5
CP2	C-4	Q17	D-6
		Q18	D-5
D1	B-5	Q19	G-3
D2	A-4	Q20	G-3
D3	A-3	Q21	F-4
D4	A-4	Q22	F-3
D5	G-4	Q23	F-3
D6	C-3	Q24	E-2
D7	C-2	Q25	F-2
D8	C-2	Q29	D-2
D9	C-2	Q30	C-2
D10	C-2	Q31	C-1
D11	D-1	Q32	G-6
D12	E-4	Q33	G-6
D13	G-4	Q34	F-5
D15	F-5	Q35	G-5
D16	G-5	Q36	E-2
D17	G-6	Q37	E-2
D18	D-6	Q38	C-3
D19	F-3	Q39	C-2
E1	C-3	RV1	B-2
E2	G-3	RV2	A-2
E3	C-1	RV3	A-4
E4	G-1	RV4	A-4
		RV5	B-1
IC1	B-4	RV6	B-1
IC2	A-2	RV7	D-5
IC3	E-3	RV8	F-1
IC4	F-4	RV9	G-1
IC5	G-2	RV10	F-1
IC6	E-1	RV11	E-1
IC7	D-2	RV12	E-1
IC8	E-2		
IC9	F-6	T1	C-1
IC10	F-5		
IC11	C-6	TP1	A-1
		TP2	A-1
LV1	A-6	TP3	C-3
LV2	A-3	TP4	E-1
LV3	A-4	TP5	D-4
LV4	A-1	TP6	G-5
LV5	D-3	TP7	G-1
LV202	F-2	TP8	E-1
LV203	F-2	TP9	A-5
		TP10	A-5
Q1	A-5	TP11	B-6
Q2	A-5	TP12	D-4
Q3	A-5	TP13	D-4
Q4	A-4	TP14	D-5
Q5	A-2	TP15	B-6
Q6	A-4		

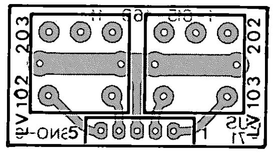




AU-84/A —COMPONENT SIDE—
1-622-701-11(1)
BVU-950
BVU-950P



HN-77 —COMPONENT SIDE—
1-622-724-11(1)
BVU-950
BVU-950P



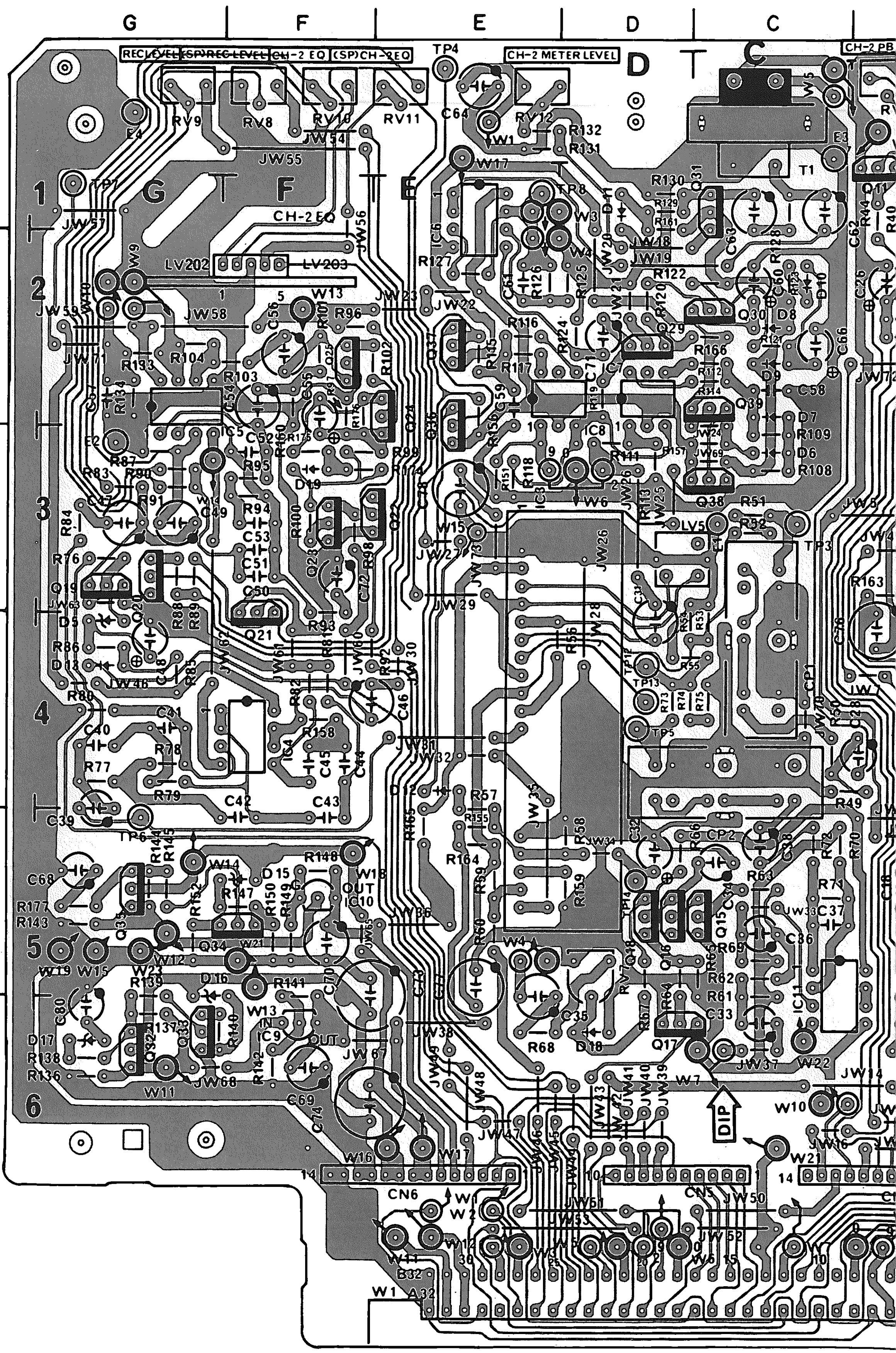
DUS-71 —COMPONENT SIDE—
1-615-169-11(1)
BVU-950
BVU-950P

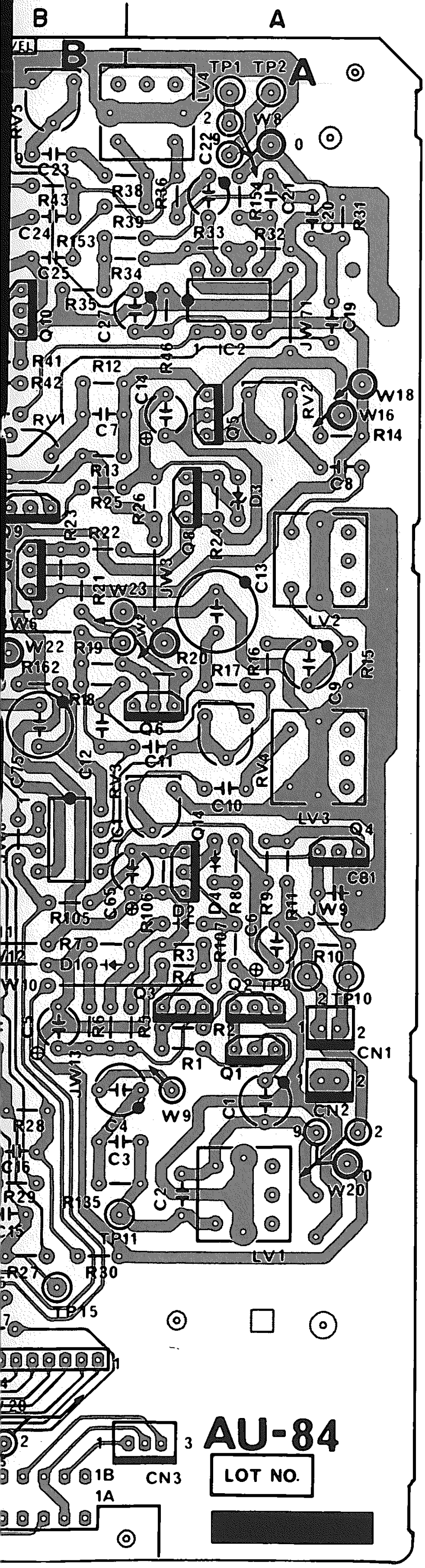
AU-84 (1-622-701-12)

CN1	A-5
CN2	A-5
CN3	A-6
CN4	B-6
CN5	D-6
CN6	E-6
CP1	C-4
CP2	C-4
D1	B-5
D2	A-4
D3	A-3
D4	A-4
D5	G-4
D6	C-3
D7	C-2
D8	C-2
D9	C-2
D10	C-2
D11	D-1
D12	E-4
D13	G-4
D15	F-5
D16	G-5
D17	G-6
D18	D-6
D19	F-3
E1	C-3
E2	G-3
E3	C-1
E4	G-1
IC1	B-4
IC2	A-2
IC3	E-3
IC4	F-4
IC5	G-2
IC6	E-1
IC7	D-2
IC8	E-2
IC9	F-6
IC10	F-5
IC11	C-6
LV1	A-6
LV2	A-3
LV3	A-4
LV4	A-1
LV5	D-3
LV202	F-2
LV203	F-2
Q1	A-5
Q2	A-5
Q3	A-5
Q4	A-4
Q5	A-2
Q6	A-4
Q7	B-3
Q8	A-3
Q9	B-3
Q10	B-2
Q11	B-1
Q14	A-4
Q15	C-5
Q16	D-5
Q17	D-6
Q18	D-5
Q19	G-3
Q20	G-3
Q21	F-4
Q22	F-3
Q23	F-3
Q24	E-2
Q25	F-2
Q29	D-2
Q30	C-2
Q31	C-1
Q32	G-6
Q33	G-6
Q34	F-5
Q35	G-5
Q36	E-2
Q37	E-2
Q38	C-3
Q39	C-2
RV1	B-2
RV2	A-2
RV3	A-4
RV4	A-4
RV5	B-1
RV6	B-1
RV7	D-5
RV8	F-1
RV9	G-1
RV10	F-1
RV11	E-1
RV12	E-1
T1	C-1
TP1	A-1
TP2	A-1
TP3	C-3
TP4	E-1
TP5	D-4
TP6	G-5
TP7	G-1
TP8	E-1
TP9	A-5
TP10	A-5
TP11	B-6
TP12	D-4
TP13	D-4
TP14	D-5
TP15	B-6

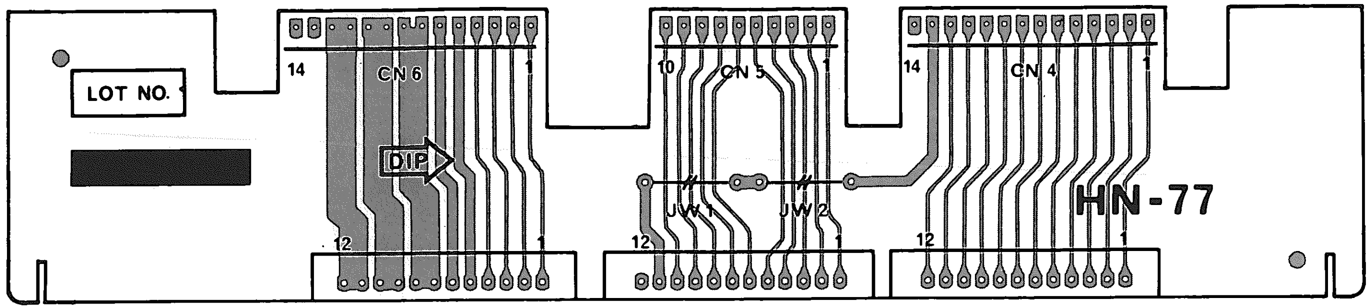
AU-84; CH-2 REC/PB AMPLIFIER
DUS-71; VARIABLE COIL
HN-77; JUNCTION BOARD

S/N 10221 TO 10485(J)
S/N 11681 TO 13590(UC)

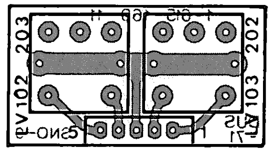




AU-84/A —COMPONENT SIDE—
1-622-701-12(1)
BVU-950
BVU-950P



HN-77 —COMPONENT SIDE—
1-622-724-11(1)
BVU-950
BVU-950P



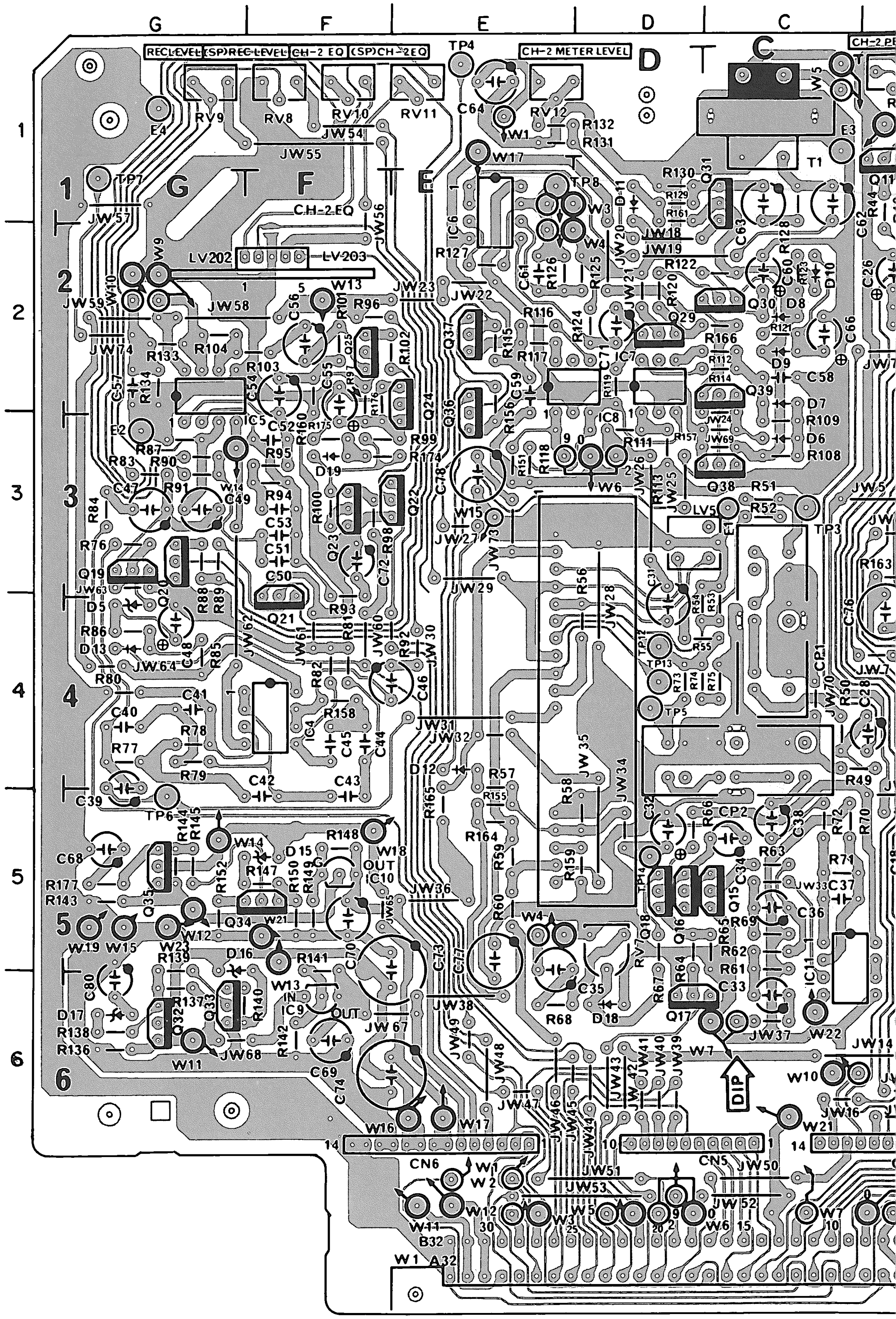
DUS-71 —COMPONENT SIDE—
1-615-169-11(1)
BVU-950
BVU-950P

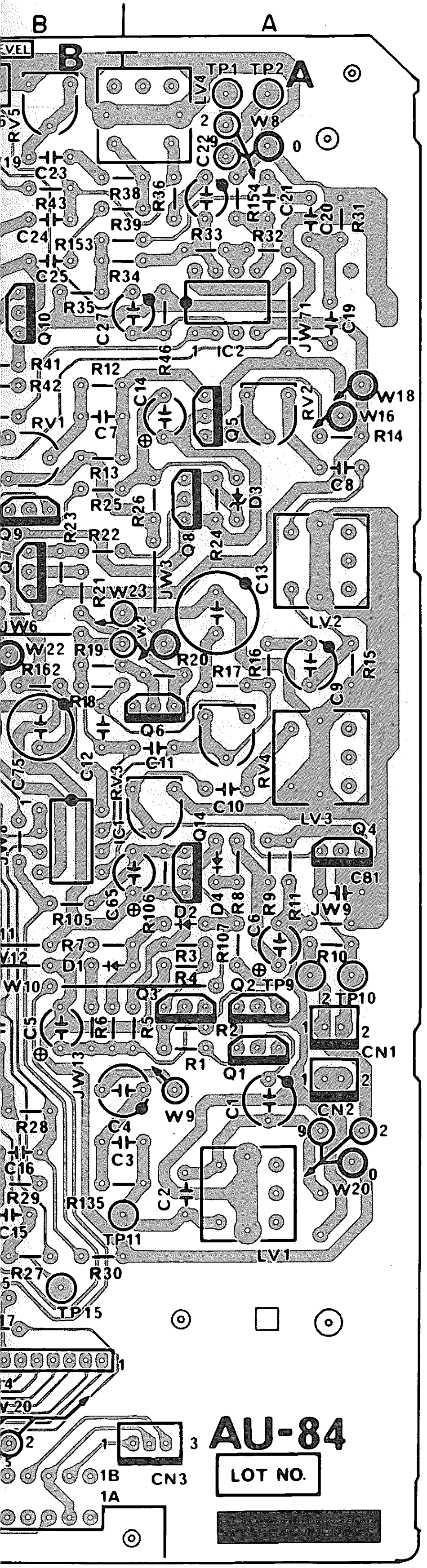
AU-84; CH-2 REC/PB AMPLIFIER
DUS-71; VARIABLE COIL
HN-77; JUNCTION BOARD

S/N 10486 AND HIGHER(J)
S/N 13591 AND HIGHER(UC)

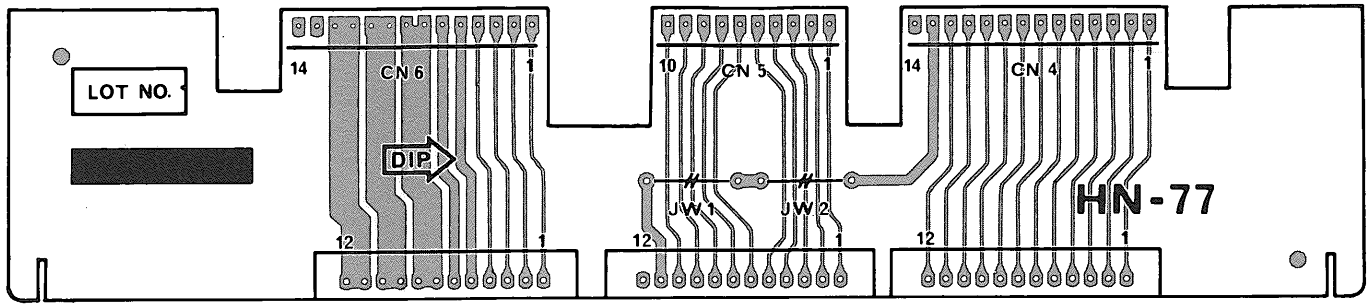
AU-84 (1-622-701-13)

CN1	A-5
CN2	A-5
CN3	A-6
CN4	B-6
CN5	D-6
CN6	E-6
CP1	C-4
CP2	C-4
D1	B-5
D2	A-4
D3	A-3
D4	A-4
D5	G-4
D6	C-3
D7	C-2
D8	C-2
D9	C-2
D10	C-2
D11	D-1
D12	E-4
D13	G-4
D15	F-5
D16	G-5
D17	G-6
D18	D-6
D19	F-3
E1	C-3
E2	G-3
E3	C-1
E4	G-1
IC1	B-4
IC2	A-2
IC3	D-3
IC4	F-4
IC5	G-2
IC6	E-1
IC7	D-2
IC8	E-2
IC9	F-6
IC10	F-5
IC11	C-6
LV1	A-6
LV2	A-3
LV3	A-4
LV4	A-1
LV5	D-3
LV202	F-2
LV203	F-2
Q1	A-5
Q2	A-5
Q3	A-5
Q4	A-4
Q5	A-2
Q6	A-4
Q7	B-3
Q8	A-3
Q9	B-3
Q10	B-2
Q11	B-1
Q14	A-4
Q15	C-5
Q16	D-5
Q17	D-6
Q18	D-5
Q19	G-3
Q20	G-3
Q21	F-4
Q22	F-3
Q23	F-3
Q24	E-2
Q25	F-2
Q29	D-2
Q30	C-2
Q31	C-1
Q32	G-6
Q33	G-6
Q34	F-5
Q35	G-5
Q36	E-2
Q37	E-2
Q38	C-3
Q39	C-2
RV1	B-2
RV2	A-2
RV3	A-4
RV4	A-4
RV5	B-1
RV6	B-1
RV7	D-5
RV8	F-1
RV9	G-1
RV10	F-1
RV11	E-1
RV12	E-1
T1	C-1
TP1	A-1
TP2	A-1
TP3	C-3
TP4	E-1
TP5	D-4
TP6	G-5
TP7	G-1
TP8	E-1
TP9	A-5
TP10	A-5
TP11	B-6
TP12	D-4
TP13	D-4
TP14	D-5
TP15	B-6

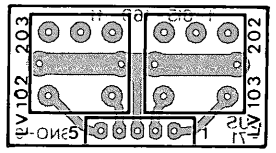




AU-84/A —COMPONENT SIDE—
1-622-701-13(1)
BVU-950
BVU-950P



HN-77 —COMPONENT SIDE—
1-622-724-11(1)
BVU-950
BVU-950P



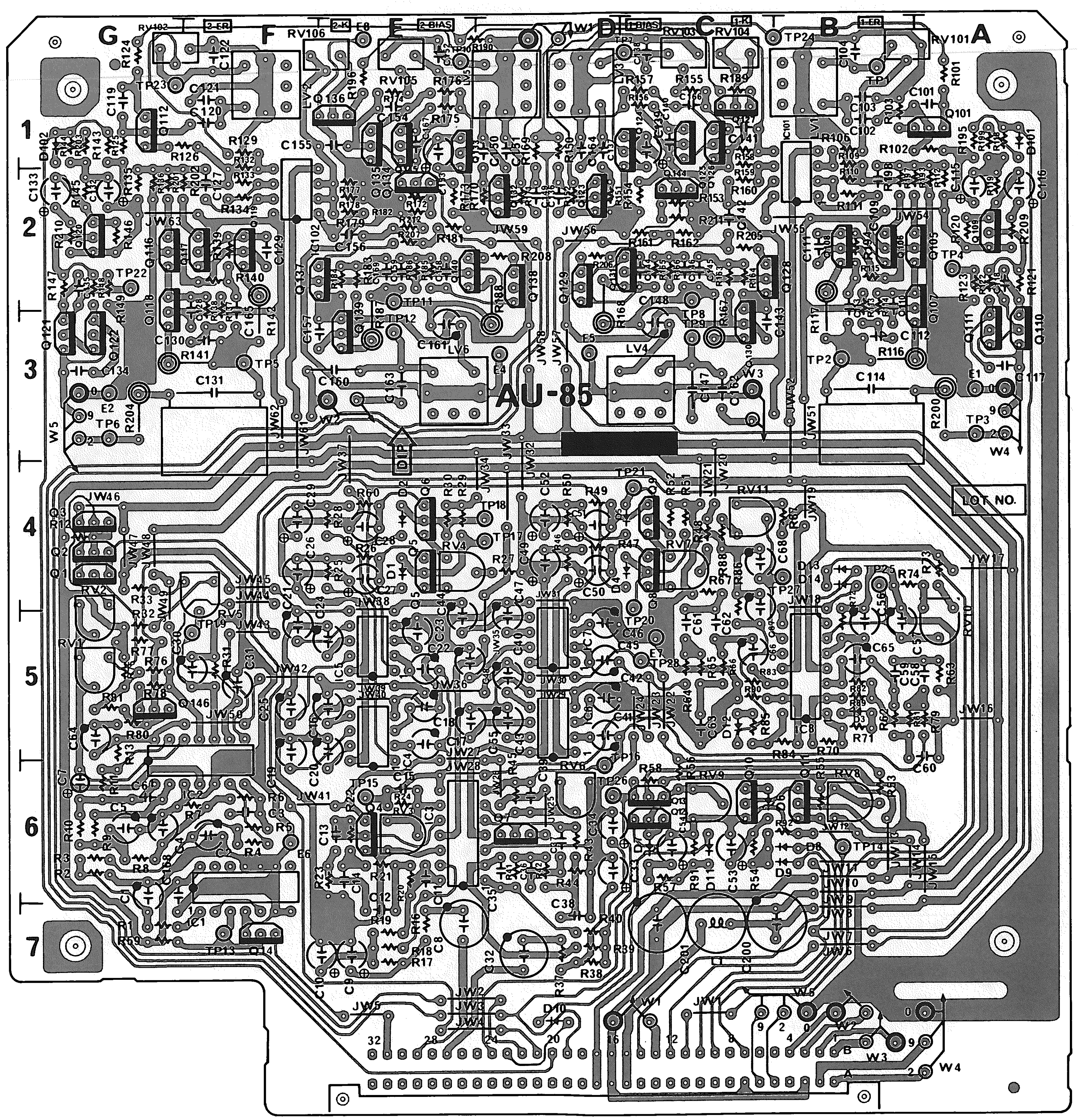
DUS-71 —COMPONENT SIDE—
1-615-169-11, 12(1)
BVU-950
BVU-950P

AU-85; DOLBY AUTO DETECTOR, BIAS OSCILLATOR

S/N UP TO 10220(J)
S/N UP TO 11680(UC)

AU-85 (1-622-702-11)

D1	E-4	Q106	B-2	TP6	G-3
D2	E-4	Q107	A-2	TP7	C-1
D3	B-5	Q108	B-2	TP8	C-2
D4	C-4	Q109	A-1	TP9	C-3
D5	C-4	Q110	A-3	TP10	E-1
D6	C-6	Q111	A-3	TP11	E-2
D7	C-6	Q112	G-1	TP12	E-3
D8	B-6	Q116	G-2	TP13	F-7
D9	B-6	Q117	F-2	TP14	B-6
D10	D-7	Q118	G-2	TP15	E-6
D11	C-6	Q119	F-2	TP16	D-6
D12	C-5	Q120	G-2	TP17	D-4
D13	B-4	Q121	G-3	TP18	D-4
D14	B-4	Q122	G-3	TP19	F-5
D101	A-1	Q123	D-2	TP20	C-4
D102	G-1	Q124	C-1	TP21	C-4
		Q125	C-1	TP22	G-2
E1	A-3	Q126	C-1	TP23	G-1
E2	G-3	Q127	C-1	TP24	B-1
E4	D-3	Q128	C-2	TP25	B-4
E5	D-3	Q129	D-2	TP26	D-6
E6	F-6	Q130	C-3	TP27	B-4
E7	C-5	Q131	C-2	TP28	C-5
E8	E-1	Q132	D-2		
		Q133	E-1		
IC1	F-6	Q134	E-1		
IC2	F-6	Q135	E-1		
IC3	E-6	Q136	E-1		
IC4	E-5	Q137	F-2		
IC5	E-5	Q138	D-2		
IC6	D-5	Q139	E-3		
IC7	D-5	Q140	E-2		
IC8	B-5	Q144	C-2		
IC101	B-1	Q145	E-2		
IC102	F-2	Q146	G-5		
LV1	B-1	RV1	G-5		
LV2	F-1	RV2	G-5		
LV3	D-1	RV3	E-6		
LV4	C-3	RV4	E-4		
LV5	D-1	RV5	F-4		
LV6	F-3	RV6	D-6		
		RV7	C-4		
Q1	G-4	RV8	B-6		
Q2	G-4	RV9	C-6		
Q3	G-4	RV10	A-5		
Q4	E-6	RV11	C-4		
Q5	E-4	RV101	B-1		
Q6	E-4	RV102	G-1		
Q7	D-6	RV103	C-1		
Q8	C-4	RV104	C-1		
Q9	C-4	RV105	E-1		
Q10	C-6	RV106	E-1		
Q11	B-6				
Q12	C-6	TP1	B-1		
Q13	C-6	TP2	B-3		
Q14	F-7	TP3	A-3		
Q101	A-1	TP4	A-2		
Q105	A-2	TP5	F-3		



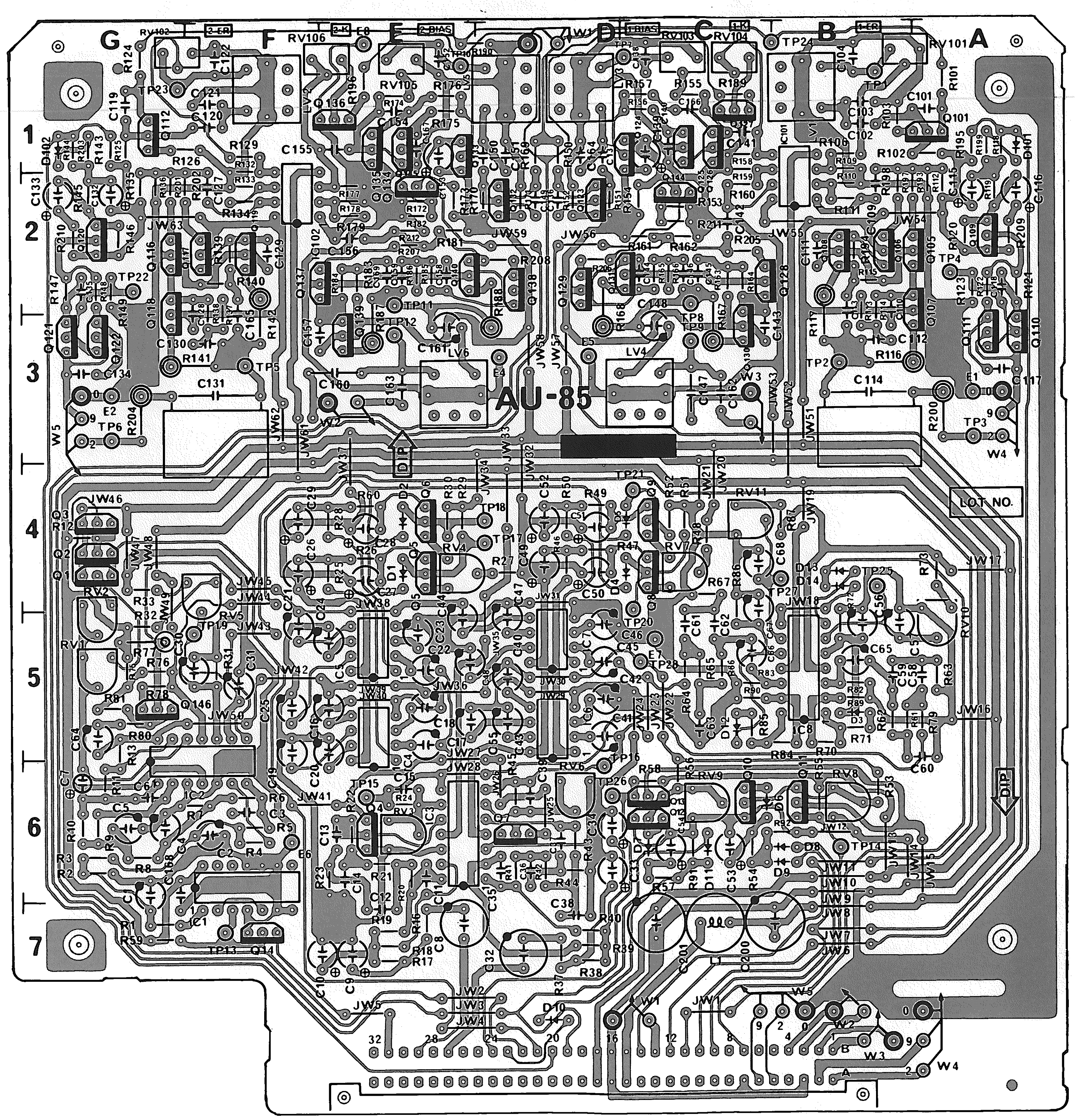
AU-85/A —COMPONENT SIDE—
1-622-702-11(1)
BVU-950
BVU-950P

AU-85; DOLBY AUTO DETECTOR, BIAS OSCILLATOR

S/N 10221 TO 10485(J)
S/N 11681 TO 13590(UC)

AU-85 (1-622-702-12)

D1	E-4
D2	E-4
D3	B-5
D4	C-4
D5	C-4
D6	C-6
D7	C-6
D8	B-6
D9	B-6
D10	D-7
D11	C-6
D12	C-5
D13	B-4
D14	B-4
D101	A-1
D102	G-1
E1	A-3
E2	G-3
E4	D-3
E5	D-3
E6	F-6
E7	C-5
E8	E-1
IC1	F-6
IC2	F-6
IC3	E-6
IC4	E-5
IC5	E-5
IC6	D-5
IC7	D-5
IC8	B-5
IC101	B-1
IC102	F-2
LV1	B-1
LV2	F-1
LV3	D-1
LV4	C-3
LV5	D-1
LV6	F-3
Q1	G-4
Q2	G-4
Q3	G-4
Q4	E-6
Q5	E-4
Q6	E-4
Q7	D-6
Q8	C-4
Q9	C-4
Q10	C-6
Q11	B-6
Q12	C-6
Q13	C-6
Q14	F-7
Q101	A-1
Q105	A-2
Q106	B-2
Q107	A-2
Q108	B-2
Q109	A-1
Q110	A-3
Q111	A-3
Q112	G-1
Q116	G-2
Q117	F-2
Q118	G-2
Q119	F-2
Q120	G-2
Q121	G-3
Q122	G-3
Q123	D-2
Q124	C-1
Q125	C-1
Q126	C-1
Q127	C-1
Q128	C-2
Q129	D-2
Q130	C-3
Q131	C-2
Q132	D-2
Q133	E-1
Q134	E-1
Q135	E-1
Q136	E-1
Q137	F-2
Q138	D-2
Q139	E-3
Q140	E-2
Q144	C-2
Q145	E-2
Q146	G-5
RV1	G-5
RV2	G-5
RV3	E-6
RV4	E-4
RV5	F-4
RV6	D-6
RV7	C-4
RV8	B-6
RV9	C-6
RV10	A-5
RV11	C-4
RV101	B-1
RV102	G-1
RV103	C-1
RV104	C-1
RV105	E-1
RV106	E-1
TP1	B-1
TP2	B-3
TP3	A-3
TP4	A-2
TP5	F-3
TP6	G-3
TP7	C-1
TP8	C-2
TP9	C-3
TP10	E-1
TP11	E-2
TP12	E-3
TP13	F-7
TP14	B-6
TP15	E-6
TP16	D-6
TP17	D-4
TP18	D-4
TP19	F-5
TP20	C-4
TP21	C-4
TP22	G-2
TP23	G-1
TP24	B-1
TP25	B-4
TP26	D-6
TP27	B-4
TP28	C-5



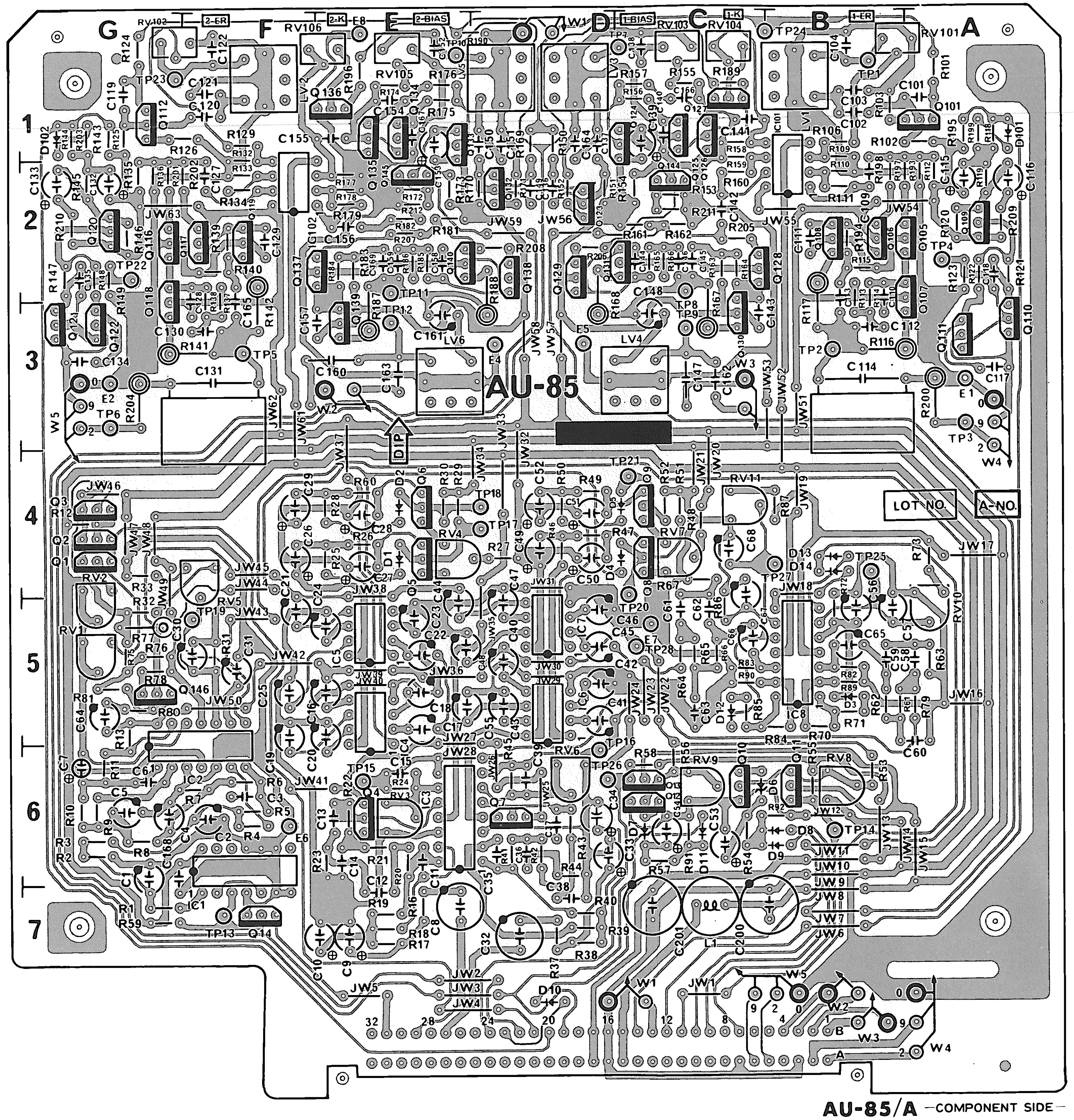
AU-85/A —COMPONENT SIDE—
1-622-702-12(1)
BVU-950
BVU-950P

AU-85; DOLBY AUTO DETECTOR, BIAS OSCILLATOR

S/N 10486 AND HIGHER(J)
S/N 13591 AND HIGHER(UC)

AU-85 (1-622-702-13,14)

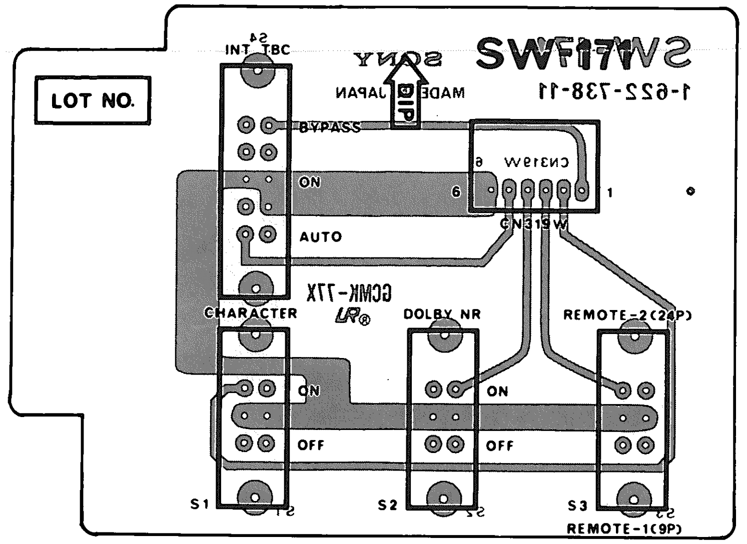
D1	E-4
D2	E-4
D3	B-5
D4	C-4
D5	C-4
D6	C-6
D7	C-6
D8	B-6
D9	B-6
D10	D-7
D11	C-6
D12	C-5
D13	B-4
D14	B-4
D101	A-1
D102	G-1
E1	A-3
E2	G-3
E4	D-3
E5	D-3
E6	F-6
E7	C-5
E8	E-1
IC1	F-6
IC2	F-6
IC3	E-6
IC4	E-5
IC5	E-6
IC6	D-5
IC7	D-5
IC8	B-5
IC101	B-1
IC102	F-2
LV1	B-1
LV2	F-1
LV3	D-1
LV4	C-3
LV5	D-1
LV6	E-3
Q1	G-4
Q2	G-4
Q3	G-4
Q4	E-6
Q5	E-4
Q6	E-4
Q7	D-6
Q8	C-4
Q9	C-4
Q10	C-6
Q11	B-6
Q12	C-6
Q13	C-6
Q14	F-7
Q101	A-1
Q105	A-2
Q106	B-2
Q107	A-2
Q108	B-2
Q109	A-2
Q110	A-3
Q111	A-3
Q112	G-1
Q116	G-2
Q117	F-2
Q118	G-2
Q119	F-2
Q120	G-2
Q121	G-3
Q122	G-3
Q123	D-2
Q124	C-1
Q125	C-1
Q126	C-1
Q127	C-1
Q128	C-2
Q129	D-2
Q130	C-3
Q131	C-2
Q132	D-2
Q133	E-1
Q134	E-1
Q135	E-1
Q136	E-1
Q137	F-2
Q138	D-2
Q139	E-3
Q140	E-2
Q144	C-2
Q145	E-2
Q146	G-5
RV1	G-5
RV2	G-5
RV3	E-6
RV4	E-4
RV5	F-4
RV6	D-6
RV7	C-4
RV8	B-6
RV9	C-6
RV10	A-5
RV11	C-4
RV101	B-5
RV102	G-1
RV103	C-1
RV104	C-1
RV105	E-1
RV106	E-1
TP1	B-1
TP2	B-3
TP3	A-3
TP4	A-2
TP5	F-3
TP6	G-3
TP7	C-1
TP8	C-2
TP9	C-3
TP10	E-1
TP11	E-2
TP12	E-3
TP13	F-3
TP14	B-6
TP15	E-6
TP16	D-6
TP17	D-4
TP18	D-4
TP19	F-5
TP20	C-4
TP21	C-4
TP22	G-2
TP23	G-1
TP24	B-1
TP25	B-4
TP26	D-6
TP27	B-4
TP28	C-5



AU-85/A —COMPONENT SIDE—
1-622-702-13,14(1)
BVU-950
BVU-950P

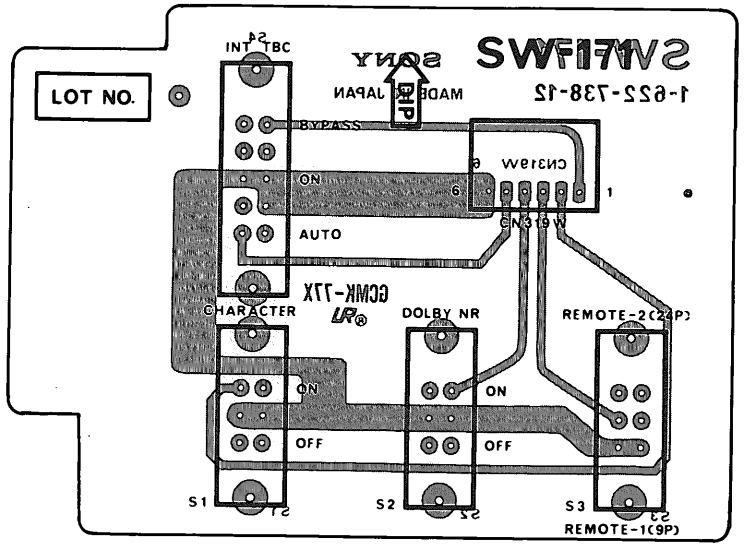
SW-171; SELECT SWITCH

S/N UP TO 10020(J)
S/N UP TO 10380(UC)



SW-171 —COMPONENT SIDE—
1-622-738-11(1)
BVU-950
BVU-950P

S/N 10021 AND HIGHER(J)
S/N 10381 AND HIGHER(UC)



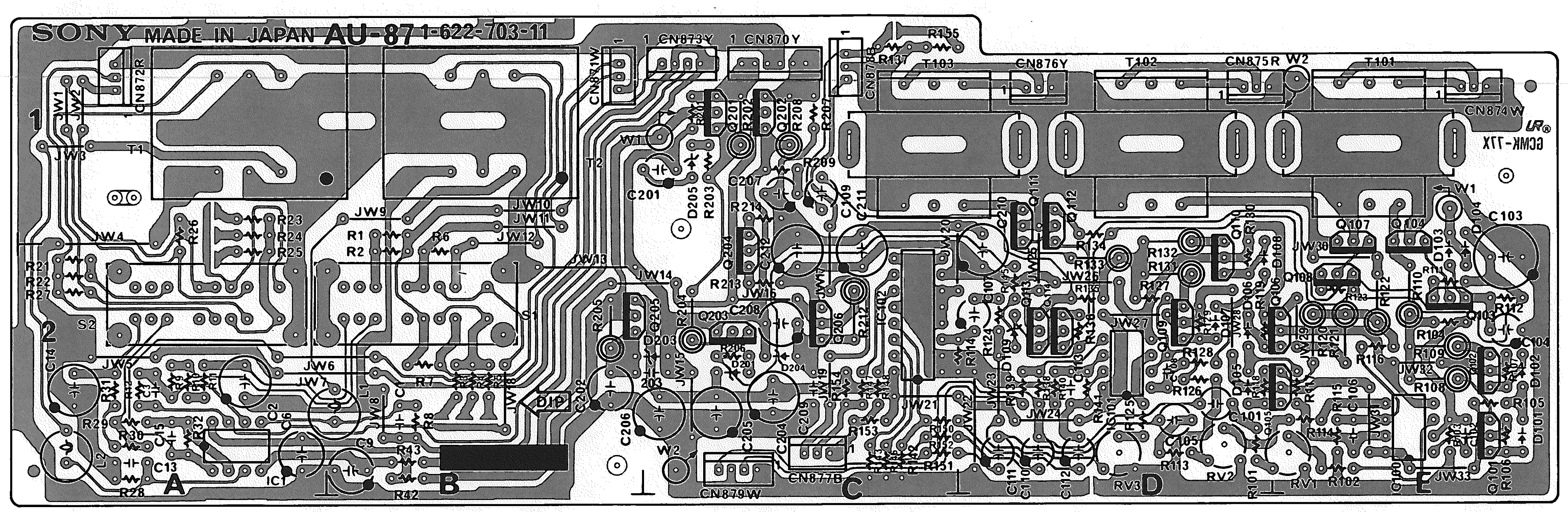
SW-171 —COMPONENT SIDE—
1-622-738-12(1)
BVU-950
BVU-950P

AU-87; MIC/OUTPUT/MONITOR AMPLIFIER

S/N UP TO 10120(J)
S/N UP TO 11180(UC)

AU-87 (1-622-703-11)

CN870	C-1
CN871	B-1
CN872	A-1
CN873	C-1
CN874	E-1
CN875	D-1
CN876	D-1
CN877	C-2
CN878	C-1
CN879	C-2
D101	E-2
D102	E-2
D103	E-2
D104	E-2
D105	D-2
D106	D-2
D107	D-2
D108	D-2
D109	D-2
D201	C-2
D203	C-2
D204	C-2
D205	C-1
IC1	A-2
IC100	E-2
IC101	D-2
IC102	C-2
Q101	E-2
Q102	E-2
Q103	E-2
Q104	E-1
Q105	E-2
Q106	E-2
Q107	E-1
Q108	E-2
Q109	D-2
Q110	D-2
Q111	D-1
Q112	D-1
Q113	D-2
Q114	D-2
Q201	C-1
Q202	C-1
Q203	C-2
Q204	C-2
Q205	B-2
Q206	C-2
RV1	E-2
RV2	D-2
RV3	D-2
S1	B-2
S2	A-2
T1	B-1
T2	
T101	
T102	
T103	



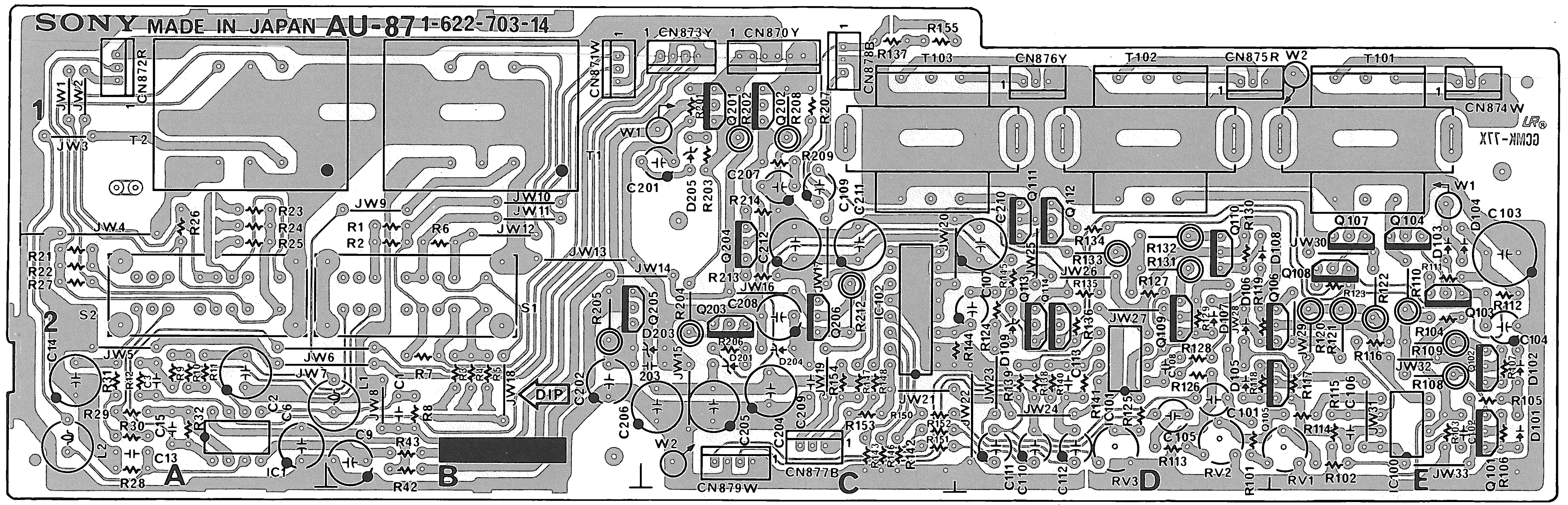
AU-87 —COMPONENT SIDE—
1-622-703-11(1)
BVU-950
BVU-950P

AU-87; MIC/OUTPUT/MONITOR AMPLIFIER

S/N 10121 AND HIGHER(J)
S/N 11181 AND HIGHER(UC)

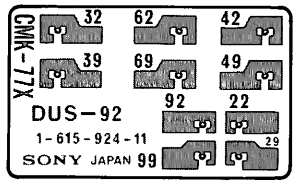
AU-87 (1-622-703-12,13,14)

CN870	C-1
CN871	B-1
CN872	A-1
CN873	C-1
CN874	E-1
CN875	D-1
CN876	D-1
CN877	C-2
CN878	C-1
CN879	C-2
D101	E-2
D102	E-2
D103	E-2
D104	E-2
D105	D-2
D106	D-2
D107	D-2
D108	D-2
D109	D-2
D201	C-2
D203	C-2
D204	C-2
D205	C-1
IC1	A-2
IC100	E-2
IC101	D-2
IC102	C-2
Q101	E-2
Q102	E-2
Q103	E-2
Q104	E-1
Q105	E-2
Q106	E-2
Q107	E-1
Q108	E-2
Q109	D-2
Q110	D-2
Q111	D-1
Q112	D-1
Q113	D-2
Q114	D-2
Q201	C-1
Q202	C-1
Q203	C-2
Q204	C-2
Q205	B-2
Q206	C-2
RV1	E-2
RV2	D-2
RV3	D-2
S1	B-2
S2	A-2
T1	B-1
T2	A-1
T101	E-1
T102	D-1
T103	C-1

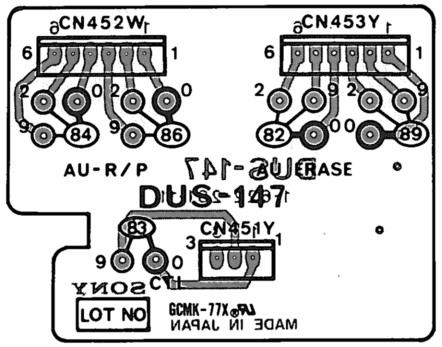


AU-87 —COMPONENT SIDE—
1-622-703-12, 13, 14(2)
BVU-950
BVU-950P

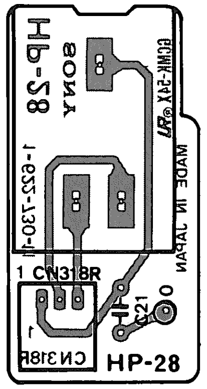
DUS-92; AUDIO HEAD
DUS-147; JUNCTION BOARD FOR AUDIO HEAD
HP-28; HEADPHONES
VR-49; HEADPHONES LEVEL CONTROL



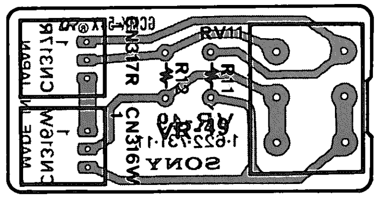
DUS-92 —COMPONENT SIDE—
1-615-924-11(1)
BVU-950
BVU-950P



DUS-147 —COMPONENT SIDE—
1-622-261-11(1)
BVU-950
BVU-950P



HP-28 —COMPONENT SIDE—
1-622-730-11(1)
BVU-950
BVU-950P



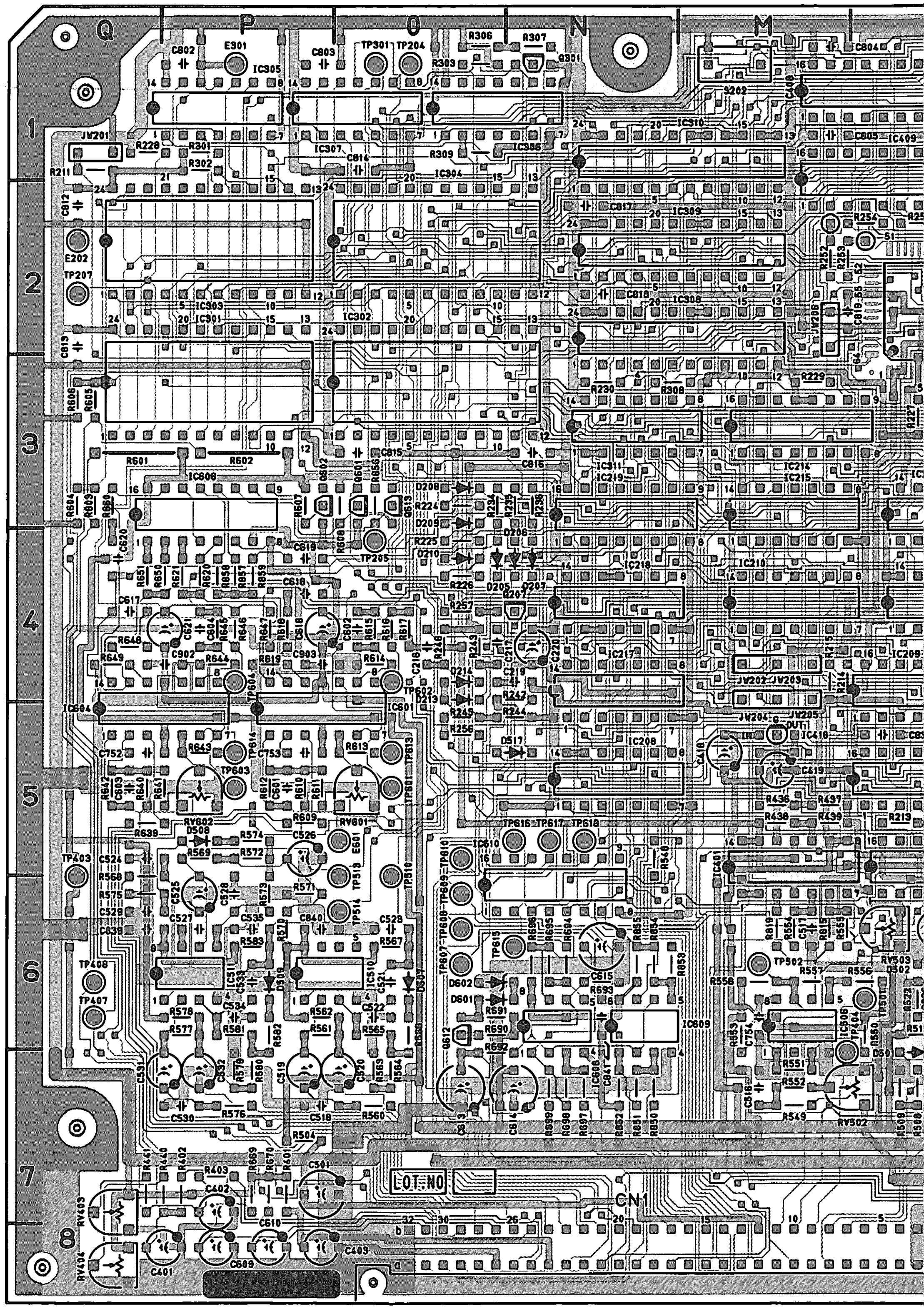
VR-49 —COMPONENT SIDE—
1-622-731-11(1)
BVU-950
BVU-950P

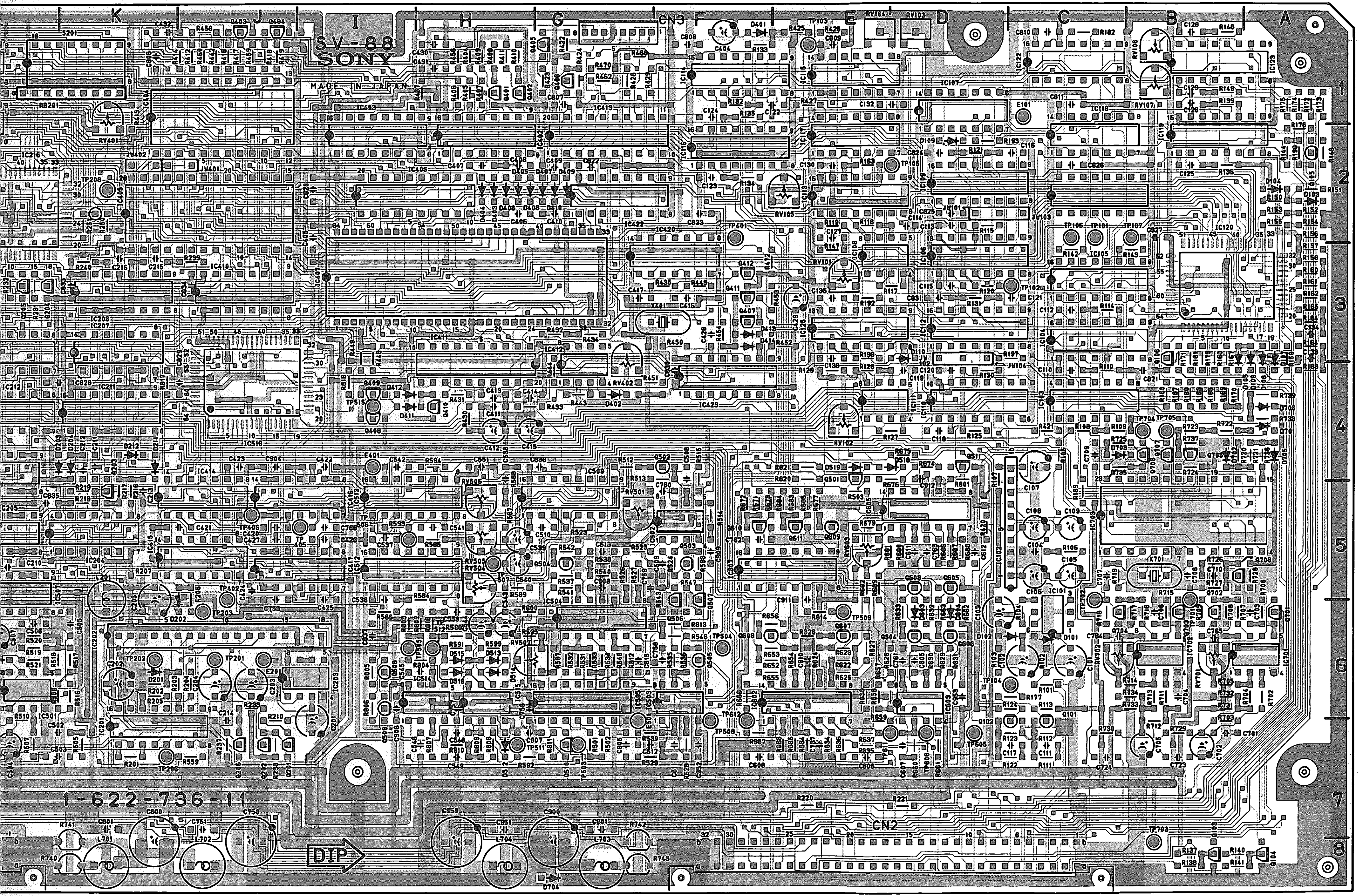
SV-88; DRUM/CAPSTAN/REEL SERVO

S/N UP TO 10120(J)
S/N UP TO 11180(UC)

SV-88 (1-622-736-11)

CN1	N-8	D701	A-4	IC304	O-2	Q105	A-2	RV404	Q-8	TP606	D-7
CN2	E-8	D702	B-4	IC305	P-1	Q106	B-3	RV501	G-5	TP607	O-6
CN3	G-1	D704	G-8	IC306	O-1	Q201	J-7	RV502	L-7	TP608	O-6
		D705	A-4	IC307	O-1	Q202	J-7	RV503	L-6	TP609	O-6
D101	C-6	D706	A-4	IC308	M-2	Q203	K-5	RV504	H-5	TP610	O-5
D102	D-6			IC309	M-2	Q204	L-3	RV505	H-5	TP611	E-7
D103	A-2	E101	C-1	IC310	M-1	Q205	L-3	RV506	H-5	TP612	F-7
D104	A-2	E201	J-6	IC311	N-3	Q206	J-7	RV507	H-6	TP613	O-5
D105	B-3	E202	Q-2	IC401	M-5	Q207	N-4	RV601	O-5	TP614	P-5
D106	A-3	E301	P-1	IC402	H-2	Q301	N-1	RV602	P-5	TP615	O-6
D107	A-3	E401	I-4	IC403	I-2	Q401	H-1	RV603	E-5	TP616	N-5
D108	A-3	E501	G-7	IC404	J-1	Q402	H-1			TP617	N-5
D109	D-2	E601	O-5	IC405	J-2	Q403	J-1	S201	K-1	TP618	N-5
D110	D-3			IC406	I-2	Q404	J-1	S202	M-1	TP703	B-8
D201	K-6	IC101	C-6	IC407	I-3	Q405	G-1				
D202	K-6	IC102	D-5	IC408	L-1	Q406	G-1	TP101	C-2	X401	F-3
D203	K-4	IC103	C-4	IC409	L-1	Q407	F-3	TP102	C-3		
D204	K-4	IC104	C-3	IC410	J-3	Q408	I-4	TP103	E-1		
D205	O-4	IC105	C-3	IC411	H-3	Q409	I-4	TP104	D-6		
D206	N-4	IC106	D-3	IC412	G-3	Q410	H-4	TP105	D-2		
D207	N-4	IC107	D-1	IC413	G-2	Q411	F-3	TP106	C-2		
D208	O-3	IC108	E-3	IC414	J-5	Q412	F-3	TP107	B-2		
D209	O-3	IC109	D-2	IC415	J-5	Q501	E-5	TP201	J-6		
D210	O-4	IC110	D-4	IC416	I-5	Q502	F-4	TP202	K-6		
D211	K-4	IC111	E-4	IC417	I-5	Q503	F-5	TP203	J-6		
D212	K-4	IC112	D-3	IC418	M-5	Q504	G-5	TP204	O-1		
D213	O-5	IC113	E-2	IC420	F-3	Q505	F-6	TP205	O-4		
D214	O-4	IC114	F-1	IC422	G-2	Q506	F-6	TP206	K-7		
D401	F-1	IC115	E-1	IC423	F-4	Q507	F-6	TP207	Q-2		
D402	G-4	IC116	F-2	IC501	L-6	Q508	I-6	TP208	K-2		
D403	H-2	IC117	E-2	IC502	F-5	Q509	I-6	TP301	O-1		
D404	H-2	IC118	C-2	IC503	F-6	Q510	G-7	TP401	F-2		
D405	H-2	IC119	B-2	IC504	G-6	Q511	D-4	TP402	J-5		
D406	H-2	IC120	B-3	IC505	G-6	Q601	O-3	TP403	Q-5		
D407	G-2	IC122	C-1	IC506	M-6	Q602	P-3	TP404	M-7		
D408	H-2	IC123	B-1	IC507	L-5	Q603	D-5	TP405	I-5		
D409	G-2	IC125	E-3	IC509	G-5	Q604	D-6	TP406	J-5		
D410	G-2	IC201	K-7	IC510	O-6	Q605	D-5	TP407	Q-6		
D411	I-4	IC202	J-6	IC511	P-6	Q606	D-6	TP408	Q-6		
D412	I-4	IC203	I-6	IC512	I-5	Q607	E-6	TP501	L-6		
D413	F-3	IC204	K-5	IC513	I-5	Q608	F-6	TP502	M-6		
D414	F-3	IC205	L-5	IC514	H-6	Q609	E-5	TP503	G-7		
D501	L-7	IC206	K-3	IC515	H-6	Q610	F-5	TP504	F-6		
D502	L-6	IC207	K-3	IC516	J-4	Q611	E-5	TP505	I-6		
D507	O-6	IC208	N-5	IC601	O-5	Q612	O-6	TP506	I-5		
D508	P-5	IC209	L-4	IC602	E-6	Q613	O-3	TP507	H-5		
D509	P-6	IC210	M-4	IC603	D-6			TP508	F-7		
D512	H-7	IC211	K-4	IC604	Q-5	RB201	K-1	TP509	E-6		
D513	H-6	IC212	L-4	IC605	D-5			TP510	O-6		
D514	H-6	IC213	L-3	IC606	P-3	RV101	E-3	TP511	H-7		
D515	H-6	IC214	M-3	IC607	F-5	RV102	E-4	TP512	H-6		
D516	H-6	IC215	M-3	IC608	N-6	RV103	D-1	TP513	O-6		
D517	N-5	IC216	L-2	IC609	N-6	RV104	E-1	TP514	O-6		
D518	D-4	IC217	N-4	IC610	N-6	RV105	E-2	TP515	I-4		
D519	E-4	IC218	N-4			RV106	B-1	TP601	O-5		
D601	O-6	IC219	N-3	Q101	C-6	RV107	B-1	TP602	O-4		
D602	O-6	IC301	P-3	Q102	D-7	RV401	K-1	TP603	P-5		
D603	D-6	IC302	O-3	Q103	B-8	RV402	G-3	TP604	P-4		
D604	D-6	IC303	P-2	Q104	A-8	RV403	Q-7	TP605	D-7		





SV-88 —COMPONENT SIDE—

1-622-736-11(1)

BVU-950

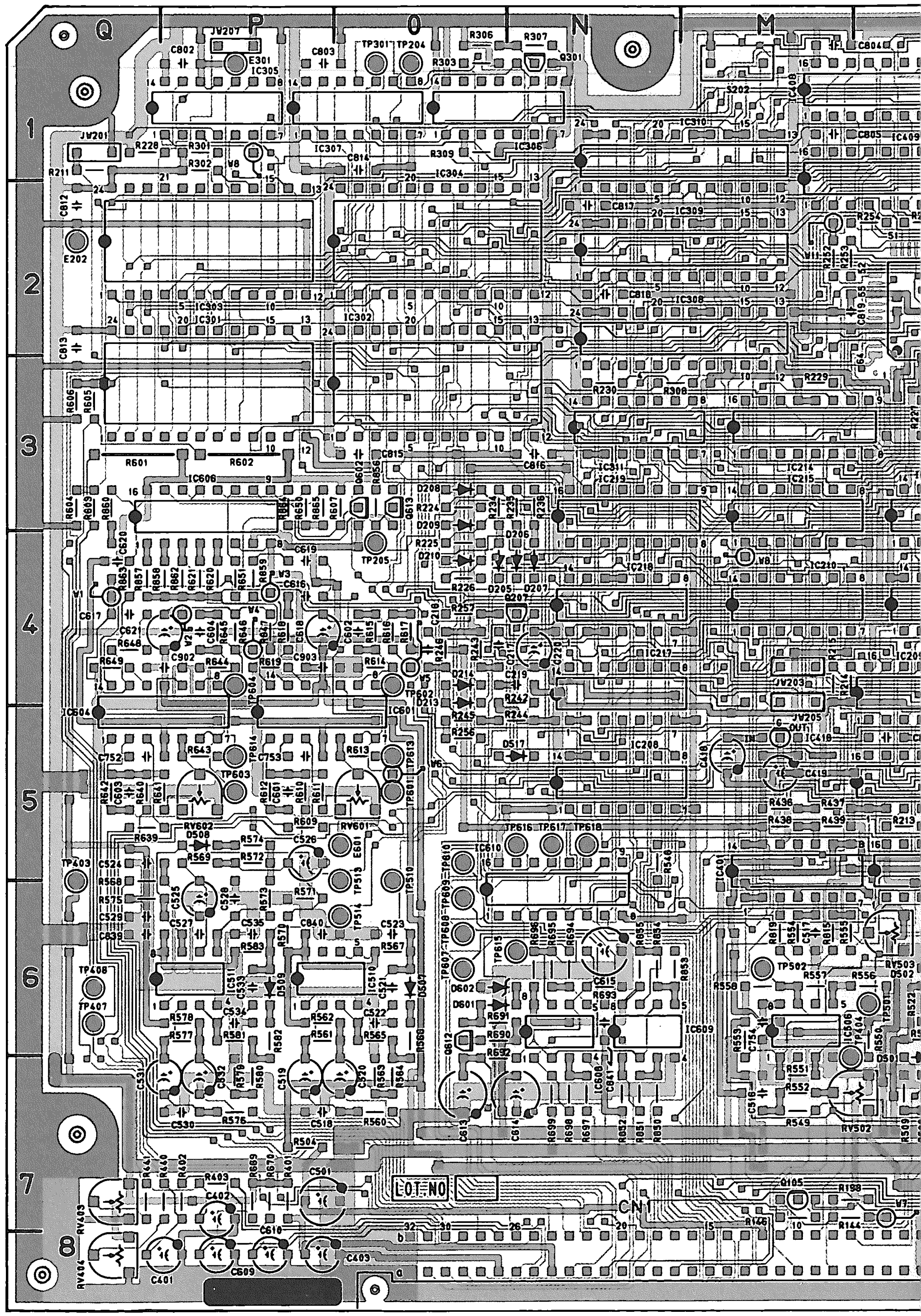
)

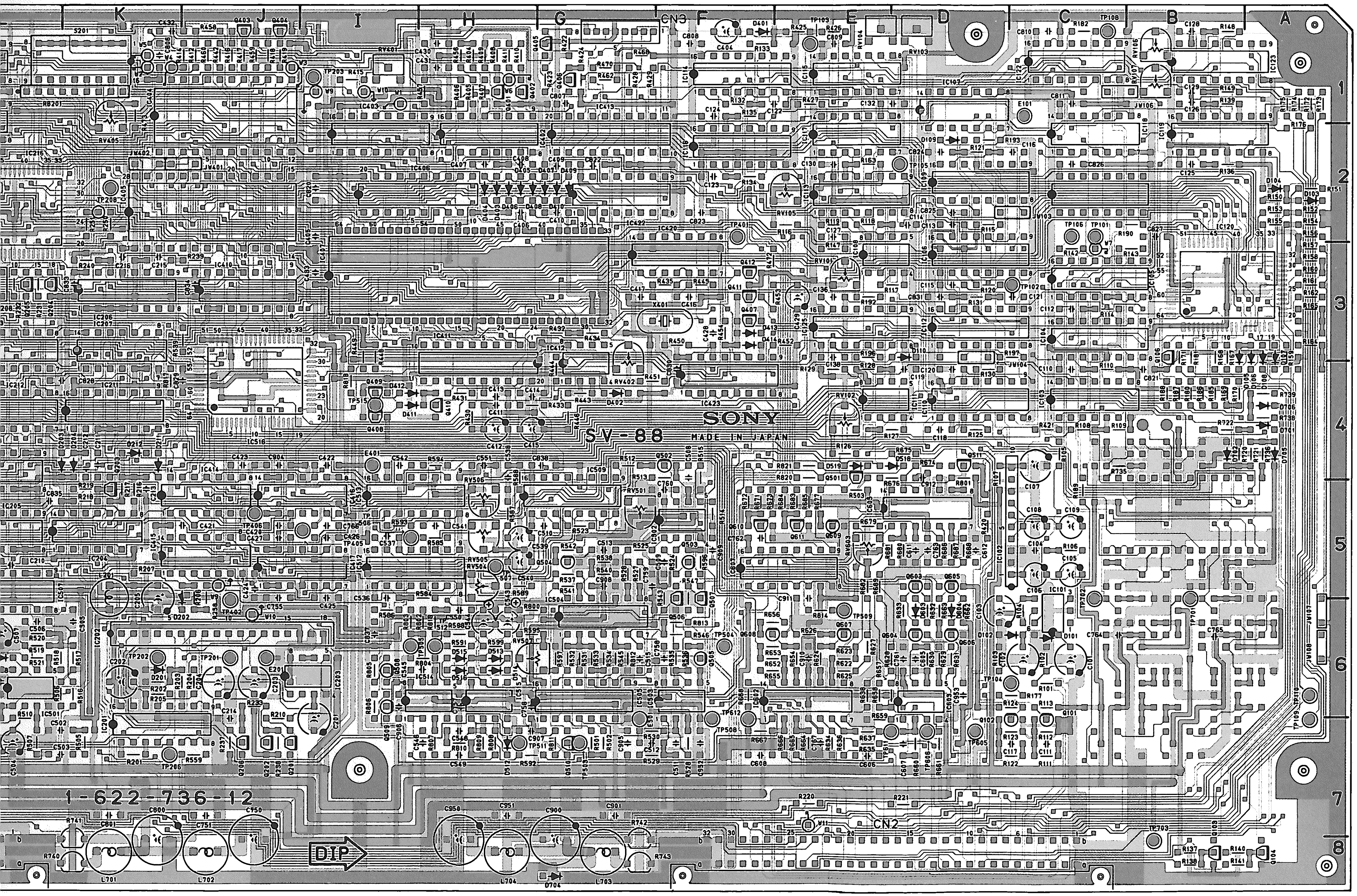
SV-88: DRUM/CAPSTAN/REEL SERVO

S/N 10121 TO 11375(J)
S/N 11181 TO 15640(UC)

SV-88 (1-622-736-12)

CN1	N-8
CN2	E-8
CN3	G-1
D101	C-6
D102	D-6
D103	A-2
D104	A-2
D105	B-3
D106	A-3
D107	A-3
D108	A-3
D109	D-2
D110	D-3
D201	K-6
D202	J-5
D203	K-4
D204	K-4
D205	O-4
D206	N-4
D207	N-4
D208	O-3
D209	O-3
D210	O-4
D211	K-4
D212	K-4
D213	O-5
D214	O-4
D401	F-1
D402	G-4
D403	H-2
D404	H-2
D405	H-2
D406	H-2
D407	G-2
D408	H-2
D409	G-2
D410	G-2
D411	I-4
D412	I-4
D413	F-3
D414	F-3
D501	L-7
D502	L-6
D507	O-6
D508	P-5
D509	P-6
D512	H-7
D513	H-6
D514	H-6
D515	H-6
D516	H-6
D517	N-5
D518	D-4
D519	E-4
D601	O-6
D602	O-6
D603	D-6
D604	D-6
D701	A-4
D702	B-4
D704	G-8
D705	A-4
D706	A-4
E101	C-1
E201	J-6
E202	Q-2
E301	P-1
E401	I-4
E501	G-7
E601	O-5
IC101	C-6
IC102	D-5
IC103	C-4
IC104	C-3
IC105	C-3
IC106	D-3
IC107	D-1
IC108	E-3
IC109	D-2
IC110	D-4
IC111	E-4
IC112	D-3
IC113	E-2
IC114	F-1
IC115	E-1
IC116	F-2
IC117	E-2
IC118	C-2
IC119	B-2
IC120	B-3
IC122	C-1
IC123	B-1
IC125	E-3
IC201	K-7
IC202	J-6
IC203	I-6
IC204	K-5
IC205	L-5
IC206	K-3
IC207	K-3
IC208	N-5
IC209	L-4
IC210	M-4
IC211	K-4
IC212	L-4
IC213	L-3
IC214	M-3
IC215	M-3
IC216	L-2
IC217	N-4
IC218	N-4
IC219	N-3
IC301	P-3
IC302	O-3
IC303	P-2
IC304	O-2
IC305	P-1
IC306	O-1
IC307	O-1
IC308	M-2
IC309	M-2
IC310	M-1
IC311	N-3
IC401	M-5
IC402	H-2
IC403	I-2
IC404	J-1
IC405	J-2
IC406	I-2
IC407	H-3
IC408	L-1
IC409	L-1
IC410	J-3
IC411	H-4
IC412	G-4
IC413	G-2
IC414	J-5
IC415	J-5
IC416	I-5
IC417	I-5
IC418	M-5
IC420	F-3
IC422	G-2
IC423	F-4
IC501	L-6
IC502	F-5
IC503	F-6
IC504	G-6
IC505	G-6
IC506	M-6
IC507	L-5
IC509	G-5
IC510	O-6
IC511	P-6
IC512	I-5
IC513	I-5
IC514	H-6
IC515	H-6
IC516	J-4
IC601	O-5
IC602	E-6
IC603	D-6
IC604	Q-5
IC605	D-5
IC606	P-3
IC607	F-5
IC608	N-6
IC609	N-6
IC610	N-6
Q101	C-7
Q102	D-7
Q103	B-8
Q104	A-8
Q105	M-7
Q106	B-3
Q201	J-7
Q202	J-7
Q203	K-5
Q204	L-3
Q205	L-3
Q206	J-7
Q207	N-4
Q301	N-1
Q401	H-1
Q402	H-1
Q403	J-1
Q404	J-1
Q405	G-1
Q406	G-1
Q407	F-3
Q408	I-4
Q409	I-4
Q410	H-4
Q411	F-3
Q412	F-3
Q501	E-5
Q502	F-4
Q503	F-5
Q504	G-5
Q505	F-6
Q506	F-6
Q507	F-6
Q508	I-6
Q509	I-6
Q510	G-7
Q511	D-4
Q602	O-3
Q603	D-5
Q604	D-6
Q605	D-5
Q606	D-6
Q607	E-6
Q608	F-6
Q609	E-5
Q610	F-5
Q611	E-5
Q612	O-6
Q613	O-3
RB201	K-1
RV101	E-3
RV102	E-4
RV103	D-1
RV104	E-1
RV105	E-2
RV106	B-1
RV107	B-1
RV401	I-1
RV402	G-3
RV403	Q-7
RV404	Q-8
RV405	K-1
RV501	G-5
RV502	L-7
RV503	L-6
RV504	H-5
RV505	H-5
RV506	H-5
RV507	H-6
RV601	O-5
RV602	P-5
RV603	E-5
S201	K-1
S202	M-1
TP101	C-2
TP102	C-3
TP103	E-1
TP104	D-6
TP105	D-2
TP106	C-2
TP108	C-1
TP109	A-7
TP110	A-6
TP201	J-6
TP202	K-6
TP203	I-1
TP204	O-1
TP205	O-4
TP206	K-7
TP208	K-2
TP301	O-1
TP401	F-2
TP402	J-6
TP403	Q-5
TP404	M-7
TP405	I-5
TP406	J-5
TP407	Q-6
TP408	Q-6
TP501	L-6
TP502	M-6
TP503	G-7
TP504	F-6
TP505	I-6
TP506	I-5
TP507	H-5
TP508	F-7
TP509	E-6
TP510	O-6
TP511	H-7
TP512	H-6
TP513	O-6
TP514	O-6
TP515	I-4
TP601	O-5
TP602	O-4
TP603	P-5
TP604	P-4
TP605	D-7
TP606	D-7
TP607	O-6
TP608	O-6
TP609	O-6
TP610	O-5
TP611	E-7
TP612	F-7
TP613	O-5
TP614	P-5
TP615	N-6
TP616	N-5
TP617	N-5
TP618	N-5
TP701	B-6
TP702	C-6
TP703	B-8
X401	F-3





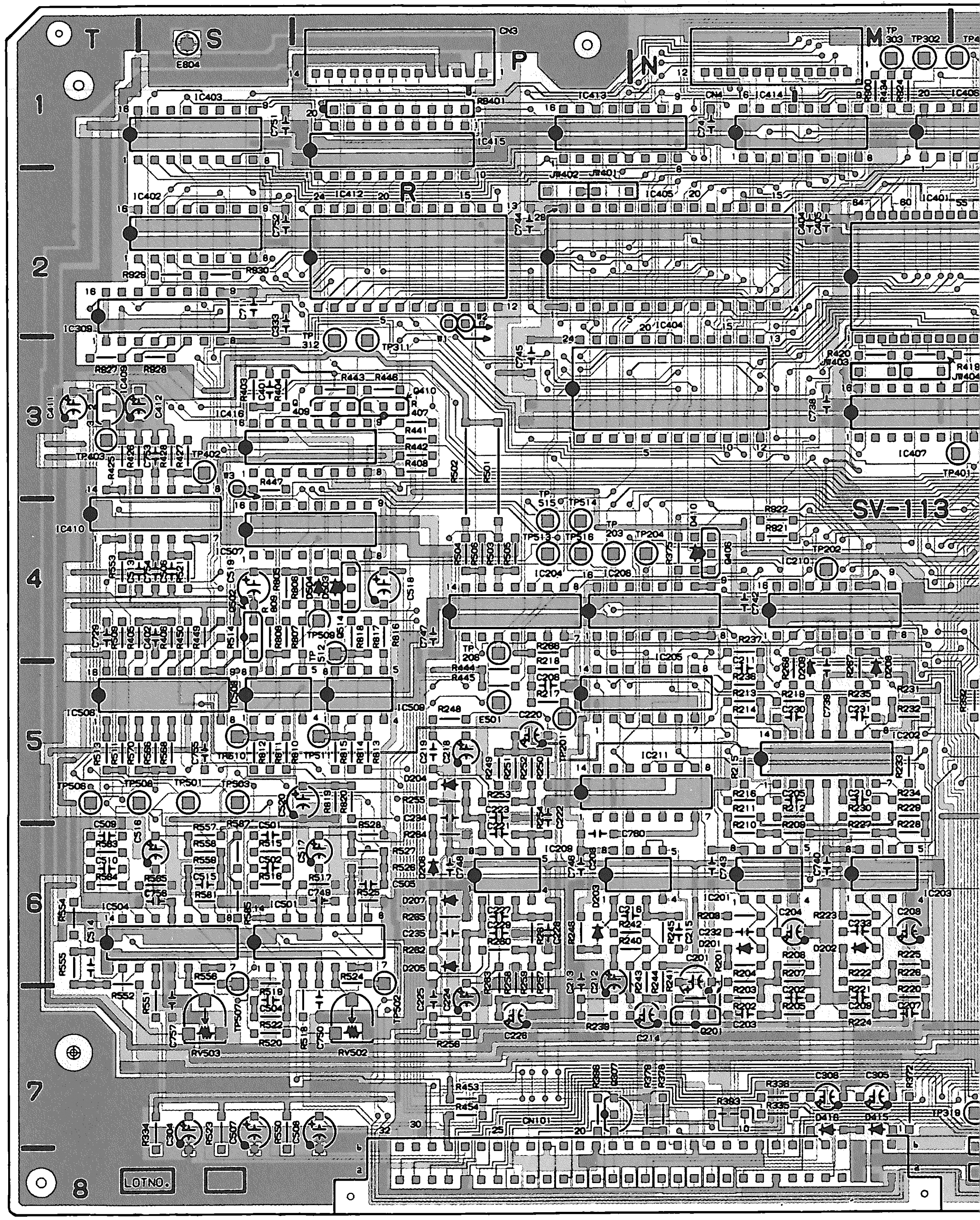
SV-88 —COMPONENT SIDE—
1-622-736-12(1)
BVU-950

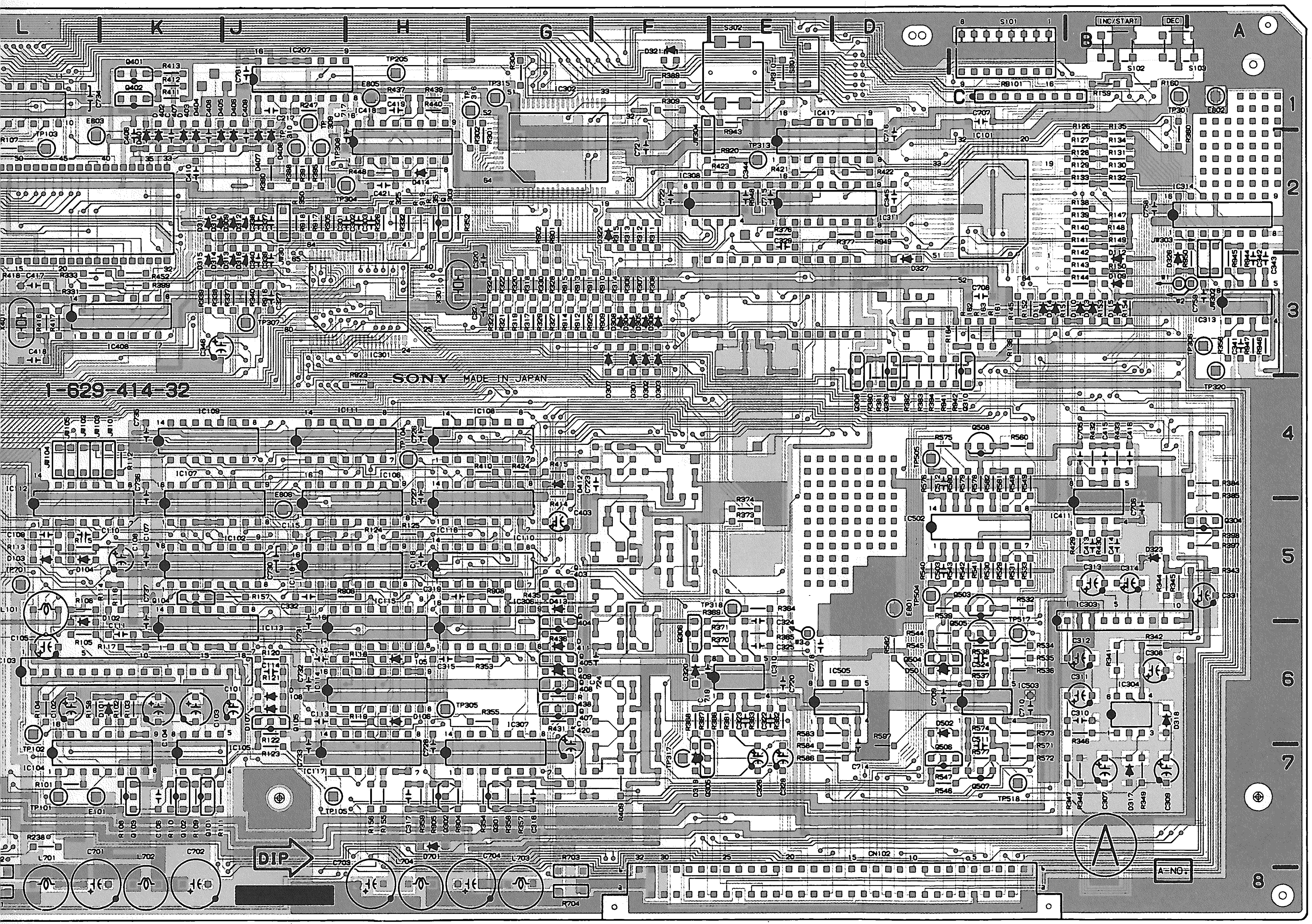
SV-113B/113F; DRUM/CAPSTAN/REEL SERVO

S/N 11376 AND HIGHER (J)
S/N 15641 AND HIGHER (UC)
S/N 10096 AND HIGHER (BRZ)

SV-113B/113F(1-629-414-32)

CN1	P-8	D406	J-2	IC309	S-2	Q409	R-3	TP503	S-5
CN2	D-8	D407	J-2	IC310	E-6	Q410	R-3	TP504	D-5
CN3	R-1	D408	J-2	IC311	E-2	Q502	S-4	TP505	D-4
CN4	N-1	D409	G-6	IC313	A-3	Q503	C-5	TP506	F-5
		D410	N-4	IC314	A-2	Q504	D-6	TP507	S-6
D101	K-6	D411	G-6	IC401	L-2	Q505	C-6	TP508	S-5
D102	L-5	D412	G-4	IC402	S-2	Q506	D-7	TP509	R-4
D103	L-5	D413	G-5	IC403	S-1	Q507	C-7	TP510	S-5
D104	L-5	D414	H-2	IC404	N-3	Q514	R-4	TP511	R-5
D105	H-6	D501	D-6	IC405	N-2			TP512	R-4
D106	H-6	D502	D-6	IC406	L-1	RB101	C-1	TP513	P-4
D107	J-6	D503	R-4	IC407	M-3	RB401	R-1	TP514	P-4
D108	J-6	D504	R-4	IC408	K-3			TP515	P-4
D109	B-3	D701	H-7	IC409	T-3	RV502	R-7	TP516	P-4
D110	B-3			IC410	S-4	RV503	S-7	TP517	C-6
D111	C-3	E101	L-7	IC411	B-4			TP518	C-7
D112	B-3	E501	P-5	IC412	R-2	S101	C-1	TP701	L-5
D113	B-3	E801	D-5	IC413	P-1	S102	B-1		
D114	C-3	E802	A-1	IC414	M-1	S103	B-1	X301	H-3
D115	B-3	E803	L-2	IC415	R-1	S301	F-1	X401	L-3
D201	N-6	E804	S-1	IC416	R-3	S302	E-1		
D202	M-6	E805	H-1	IC417	E-2				
D203	P-6	E806	J-5	IC418	H-2	TP101	L-7		
D204	R-5			IC419	J-1	TP102	L-6		
D205	R-6	IC101	C-2	IC501	R-6	TP103	L-2		
D206	R-6	IC102	K-5	IC502	C-5	TP104	H-4		
D207	R-6	IC103	K-6	IC503	C-6	TP105	J-7		
D208	M-5	IC104	L-7	IC504	S-6	TP201	P-5		
D209	M-5	IC105	K-7	IC505	D-6	TP202	M-4		
D301	F-3	IC106	H-4	IC506	S-5	TP203	P-4		
D302	F-3	IC107	K-4	IC507	R-4	TP204	N-4		
D303	F-3	IC108	G-4	IC508	S-5	TP205	N-6		
D304	F-3	IC109	K-4	IC509	R-5	TP206	P-4		
D305	F-3	IC110	G-5			TP301	B-1		
D306	F-3	IC111	H-4	Q101	K-7	TP302	M-1		
D307	F-3	IC112	L-4	Q102	K-7	TP303	M-1		
D308	F-3	IC113	K-5	Q103	K-7	TP304	H-2		
D309	J-2	IC114	H-6	Q104	K-5	TP305	H-6		
D310	J-2	IC115	H-5	Q105	J-6	TP306	A-3		
D311	K-2	IC116	G-4	Q201	N-7	TP307	J-3		
D312	J-2	IC117	H-7	Q301	G-7	TP308	J-2		
D313	J-2	IC118	H-5	Q302	H-7	TP309	J-1		
D314	J-2	IC201	H-6	Q303	H-2	TP310	R-3		
D315	K-2	IC202	M-5	Q304	A-5	TP311	R-3		
D316	J-2	IC203	M-6	Q305	F-7	TP312	R-3		
D317	B-7	IC204	P-4	Q306	F-6	TP313	E-2		
D318	B-6	IC205	N-5	Q307	P-7	TP315	G-1		
D319	F-7	IC206	N-4	Q308	D-4	TP316	G-1		
D320	F-6	IC207	N-5	Q309	D-4	TP317	F-7		
D321	E-1	IC208	N-6	Q310	C-4	TP318	E-5		
D322	F-2	IC209	P-6	Q401	K-1	TP319	L-7		
D323	B-5	IC210	M-4	Q402	K-1	TP320	A-3		
D326	B-3	IC302	G-2	Q403	G-5	TP401	L-3		
D401	K-2	IC303	B-5	Q404	G-5	TP402	S-3		
D402	K-2	IC304	B-6	Q405	G-6	TP403	F-3		
D403	K-2	IC306	G-5	Q406	N-4	TP404	L-1		
D404	K-2	IC307	G-6	Q407	G-6	TP501	S-5		
D405	J-2	IC308	E-2	Q408	G-6	TP502	R-6		



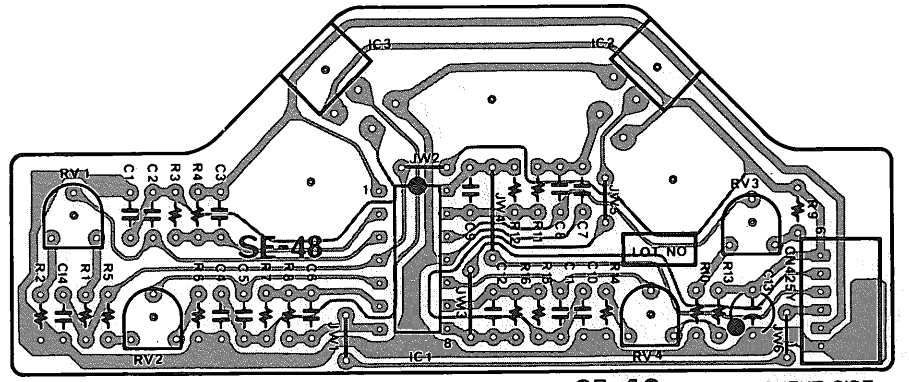


SV-113B/113F —COMPONENT SIDE—

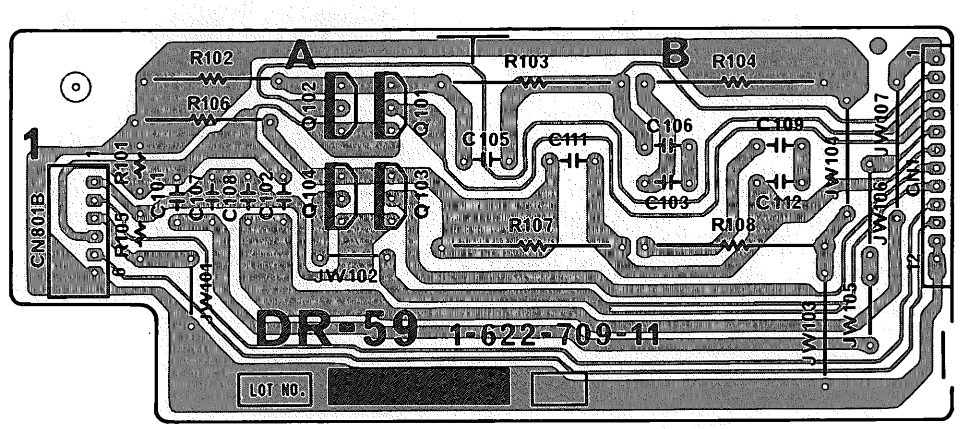
1-629-414-32(1)
BVU-950
BVU-950PM

DR-53; REEL/CAPSTAN/DRUM MOTOR DRIVE
DR-59; REEL MOTOR DRIVE
SE-48; REEL ROTATION DETECTOR

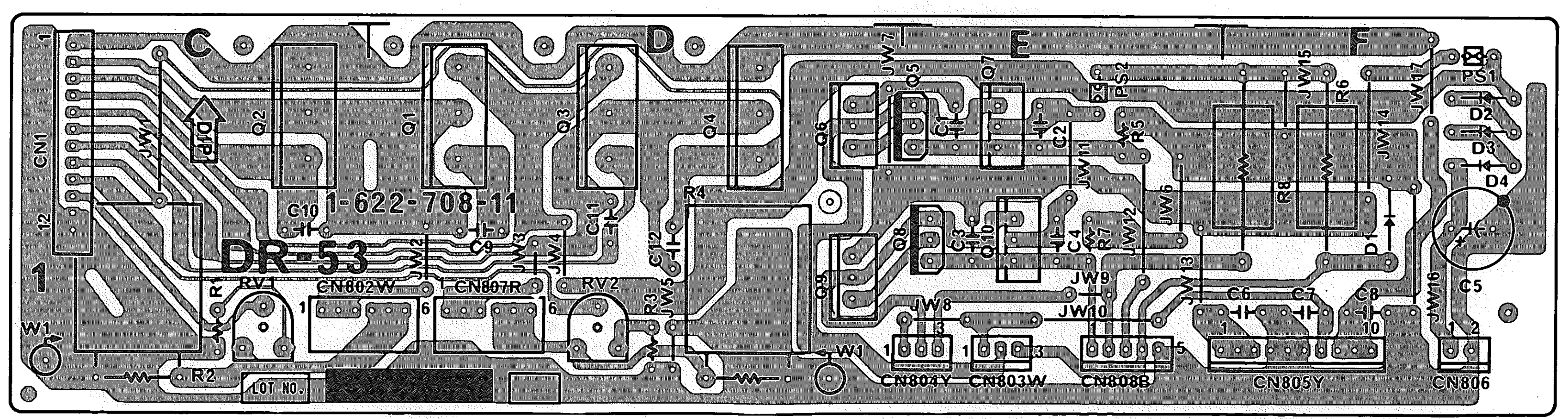
S/N UP TO 10220(J)
S/N UP TO 11680(UC)



SE-48 —COMPONENT SIDE—
1-622-735-11(1)
BVU-950
BVU-950P



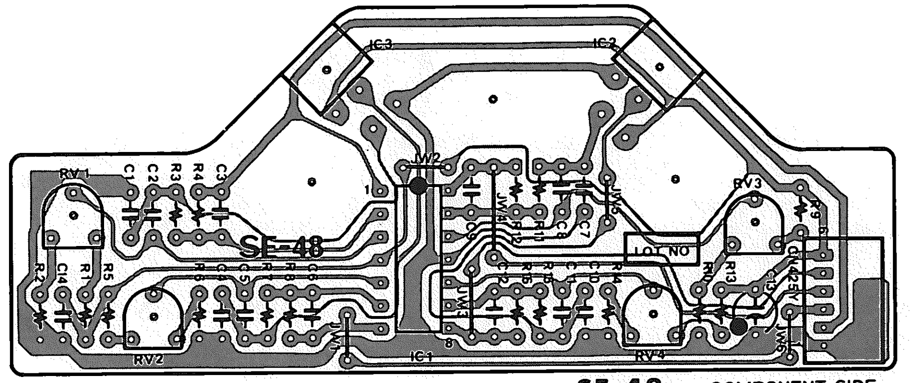
DR-59 —COMPONENT SIDE—
1-622-709-11(1)
BVU-950
BVU-950P



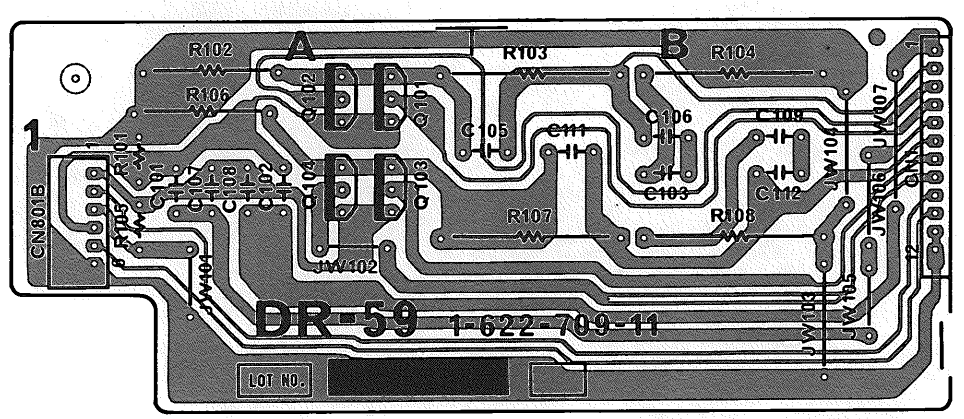
DR-53 —COMPONENT SIDE—
1-622-708-11(1)
BVU-950
BVU-950P

DR-53; REEL/CAPSTAN/DRUM MOTOR DRIVE
DR-59; REEL MOTOR DRIVE
SE-48; REEL ROTATION DETECTOR

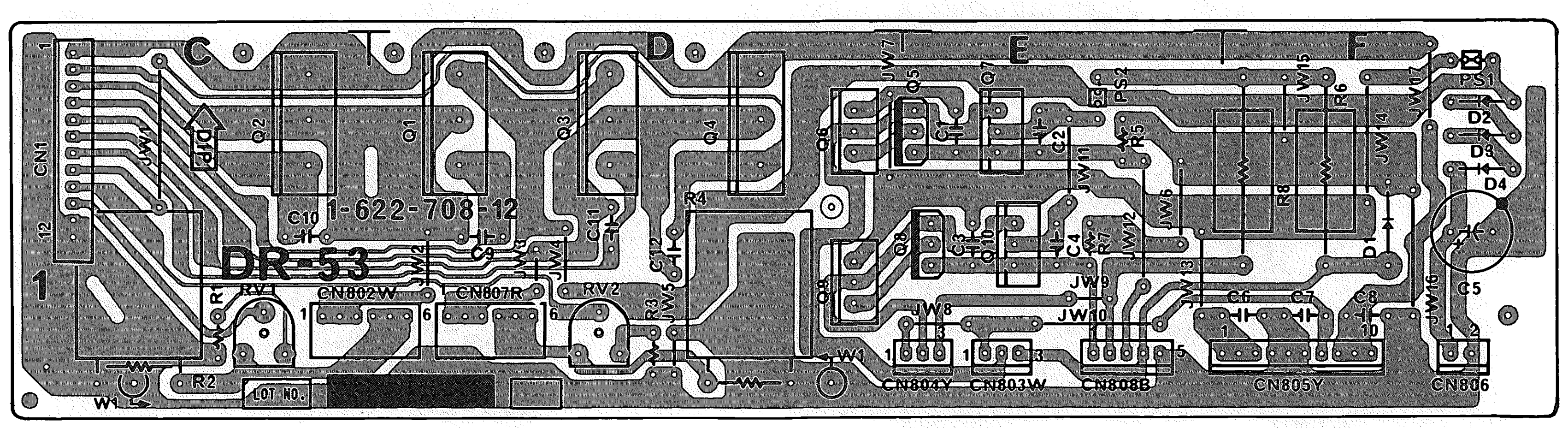
S/N 10221 AND HIGHER(J)
S/N 11681 AND HIGHER(UC)



SE-48 —COMPONENT SIDE—
1-622-735-11(1)
BVU-950
BVU-950P

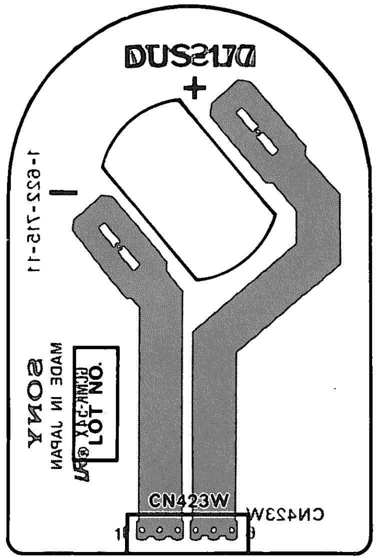


DR-59 —COMPONENT SIDE—
1-622-709-11(1)
BVU-950
BVU-950P

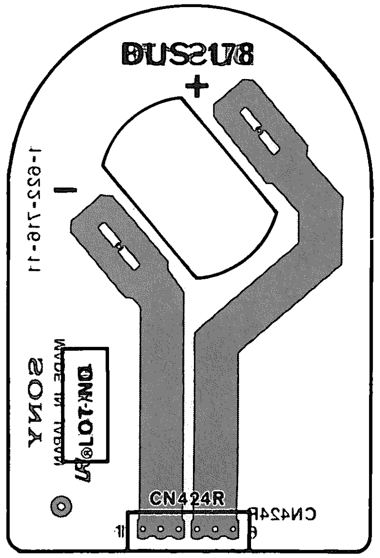


DR-53 —COMPONENT SIDE—
1-622-708-12(1)
BVU-950
BVU-950P

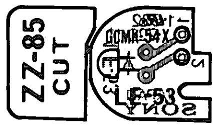
DUS-177; T-REEL MOTOR
DUS-178; S-REEL MOTOR
LE-53; S-TENSION LED
LE-54; T-TENSION LED
PTC-28; S-TENSION CDS
PTC-29; T-TENSION CDS



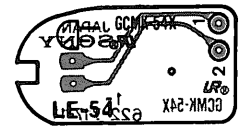
DUS-177 —COMPONENT SIDE—
1-622-715-11(1)
BVU-950
BVU-950P



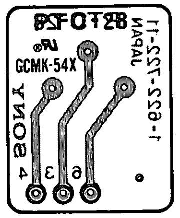
DUS-178 —COMPONENT SIDE—
1-622-716-11(1)
BVU-950
BVU-950P



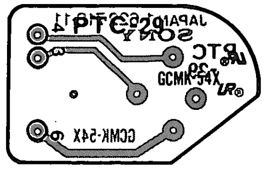
LE-53 —COMPONENT SIDE—
1-622-720-11(1)
BVU-950
BVU-950P



LE-54 —COMPONENT SIDE—
1-622-717-11(1)
BVU-950
BVU-950P



PTC-28 —COMPONENT SIDE—
1-622-722-11(1)
BVU-950
BVU-950P



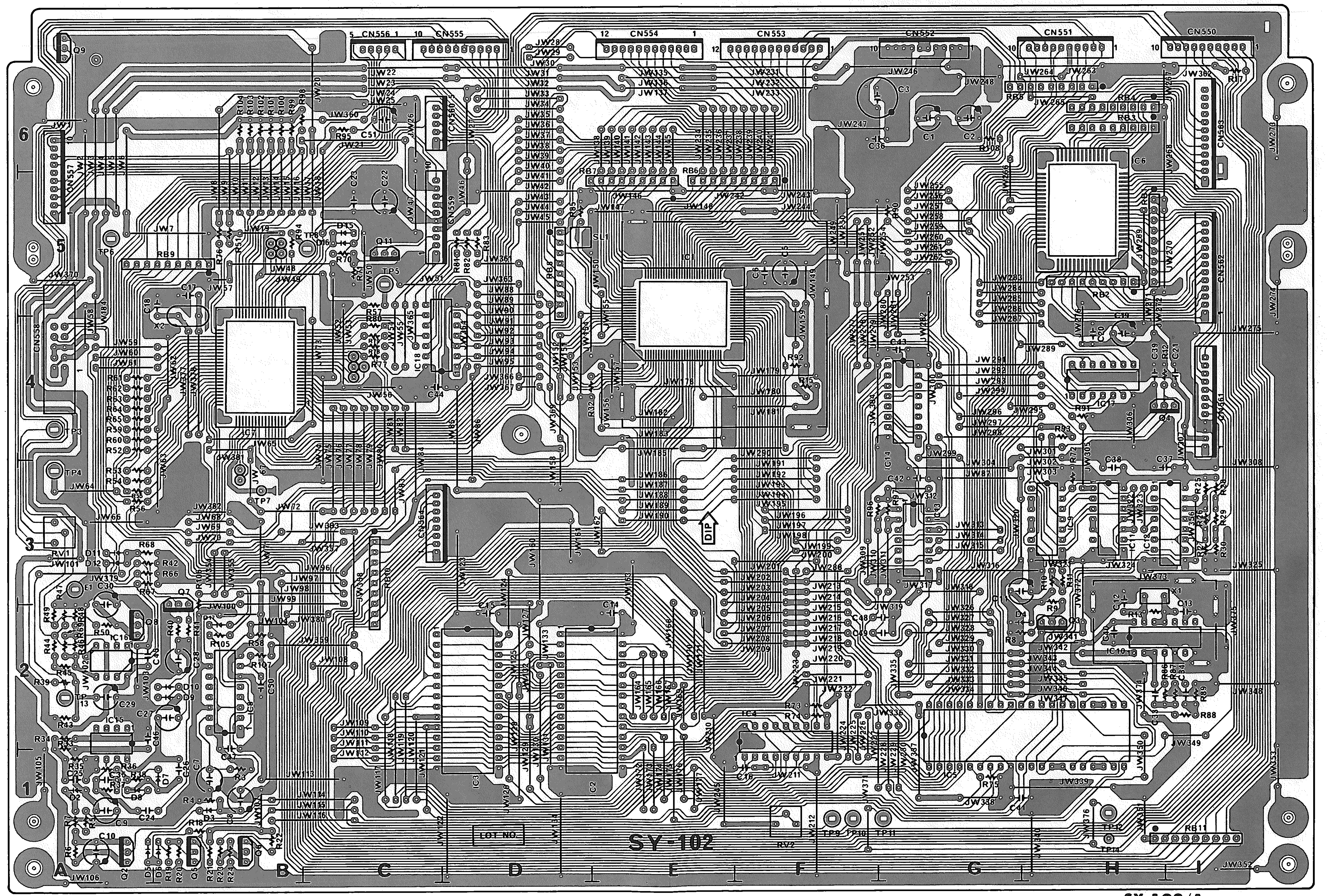
PTC-29 —COMPONENT SIDE—
1-622-718-11(1)
BVU-950
BVU-950P

SY-102; SYSTEM CONTROL

S/N UP TO 10120(J)
S/N UP TO 11000(UC)

SY-102 (1-622-734-11)

CN550	I-6	Q9	A-6
CN551	H-6	Q11	C-5
CN552	G-6		
CN553	F-6	RB1	H-5
CN554	E-6	RB2	H-5
CN555	D-6	RB3	H-6
CN556	C-6	RB4	H-6
CN557	A-5	RB5	H-6
CN558	A-4	RB6	E-5
CN559	C-5	RB7	E-5
CN560	C-6	RB8	D-5
CN561	I-4	RB9	B-5
CN562	I-5	RB10	C-3
CN563	I-6	RB11	I-1
CN564	C-3		
		RV1	A-3
D2	A-1	RV2	F-1
D3	B-1		
D4	G-2	TP3	A-4
D5	A-1	TP4	A-3
D6	B-1	TP5	C-5
D7	B-1	TP6	A-5
D8	A-1	TP7	B-3
D9	B-2	TP8	C-5
D10	B-2	TP9	F-1
D11	A-3	TP10	F-1
D12	A-3	TP11	G-1
D15	C-5	TP12	H-1
D16	C-5	TP13	A-2
D17	B-2	TP14	H-1
E1	A-3	X1	H-3
		X2	A-4
IC1	E-5		
IC2	D-2		
IC3	D-2		
IC4	F-2		
IC5	G-1		
IC6	H-5		
IC7	B-4		
IC8	B-2		
IC9	H-3		
IC10	H-2		
IC11	H-3		
IC12	I-3		
IC13	G-3		
IC14	G-4		
IC15	A-2		
IC16	A-2		
IC17	H-4		
IC18	C-4		
Q2	A-1		
Q3	H-2		
Q4	I-4		
Q5	B-1		
Q6	B-1		
Q7	B-3		
Q8	A-2		



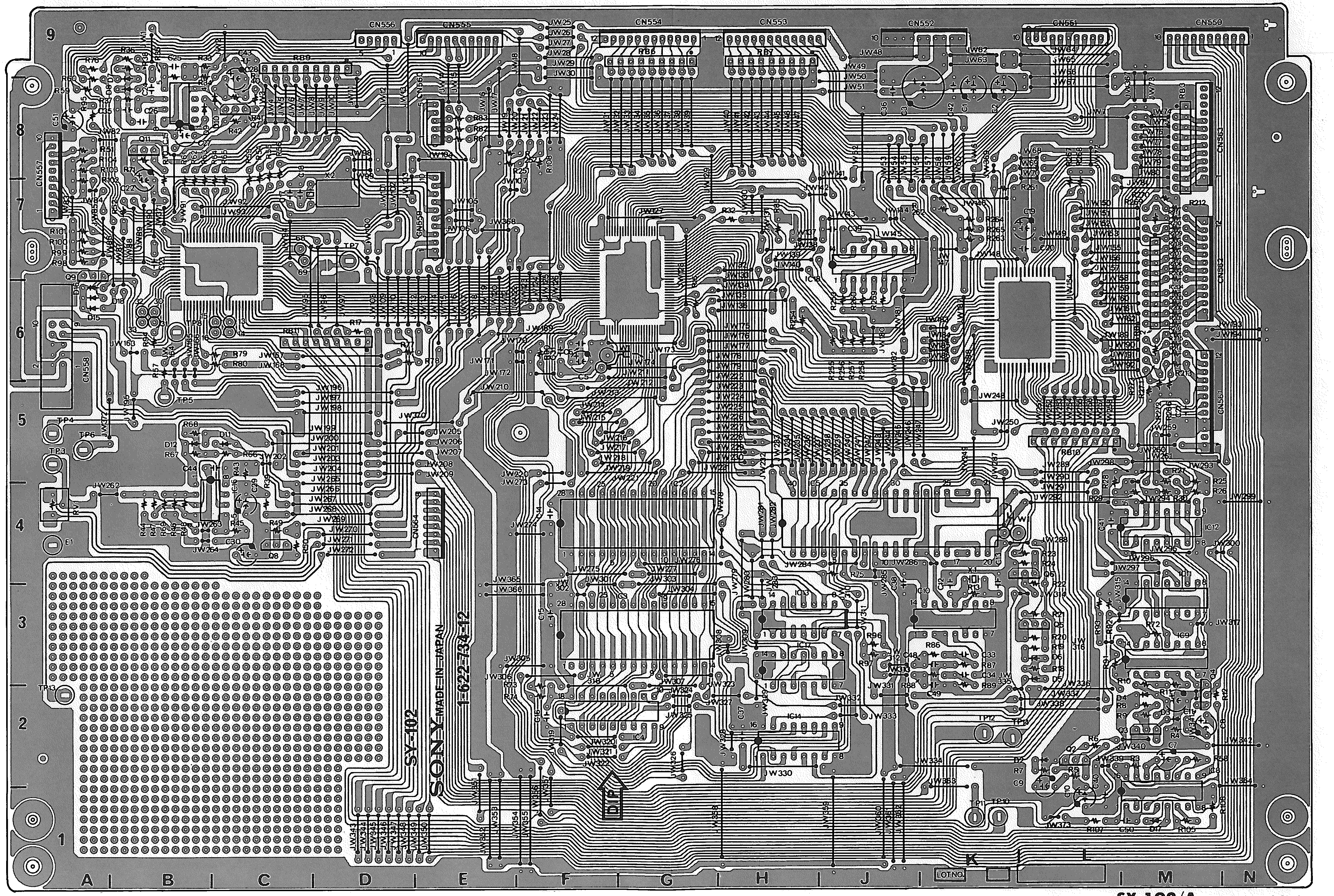
SY-102/A —COMPONENT SIDE—
1-622-734-11(1)
BVU-950
BVU-950P

SY-102; SYSTEM CONTROL

S/N 10121 TO 10260(J)
S/N 11181 TO 12240(UC)

SY-102 (1-622-734-12)

CN550	M-9	Q11	B-8
CN551	L-9		
CN552	K-9	RB2	M-6
CN553	H-9	RB3	M-8
CN554	G-9	RB6	G-9
CN555	E-9	RB7	H-9
CN556	D-9	RB9	C-9
CN557	A-8	RB10	L-5
CN558	A-6	RB11	D-6
CN559	E-7		
CN560	E-8	RV1	A-4
CN561	M-5		
CN562	M-7	TP3	A-5
CN563	M-8	TP4	A-5
CN564	E-4	TP5	B-5
		TP6	A-5
D2	L-2	TP7	D-7
D3	M-2	TP8	B-6
D4	M-2	TP10	K-1
D5	L-2	TP11	K-1
D6	L-3	TP12	K-2
D7	B-8	TP13	A-2
D8	B-8	TP14	K-2
D9	B-8		
D10	C-8	X1	K-3
D11	C-5	X2	D-7
D12	B-5		
D15	A-6		
D16	A-6		
D17	M-1		
D18	A-6		
E1	A-4		
IC2	G-4		
IC3	G-3		
IC4	G-2		
IC5	J-4		
IC7	D-7		
IC8	M-1		
IC9	M-3		
IC10	K-3		
IC11	M-3		
IC12	M-4		
IC13	H-3		
IC14	H-2		
IC15	B-8		
IC16	C-4		
IC17	H-3		
IC18	J-7		
Q2	L-2		
Q3	M-2		
Q4	M-2		
Q5	L-3		
Q6	L-3		
Q7	C-8		
Q8	C-4		
Q9	A-7		



SY-102/A —COMPONENT SIDE—
1-622-734-12(1)
BVU-950
BVU-950P

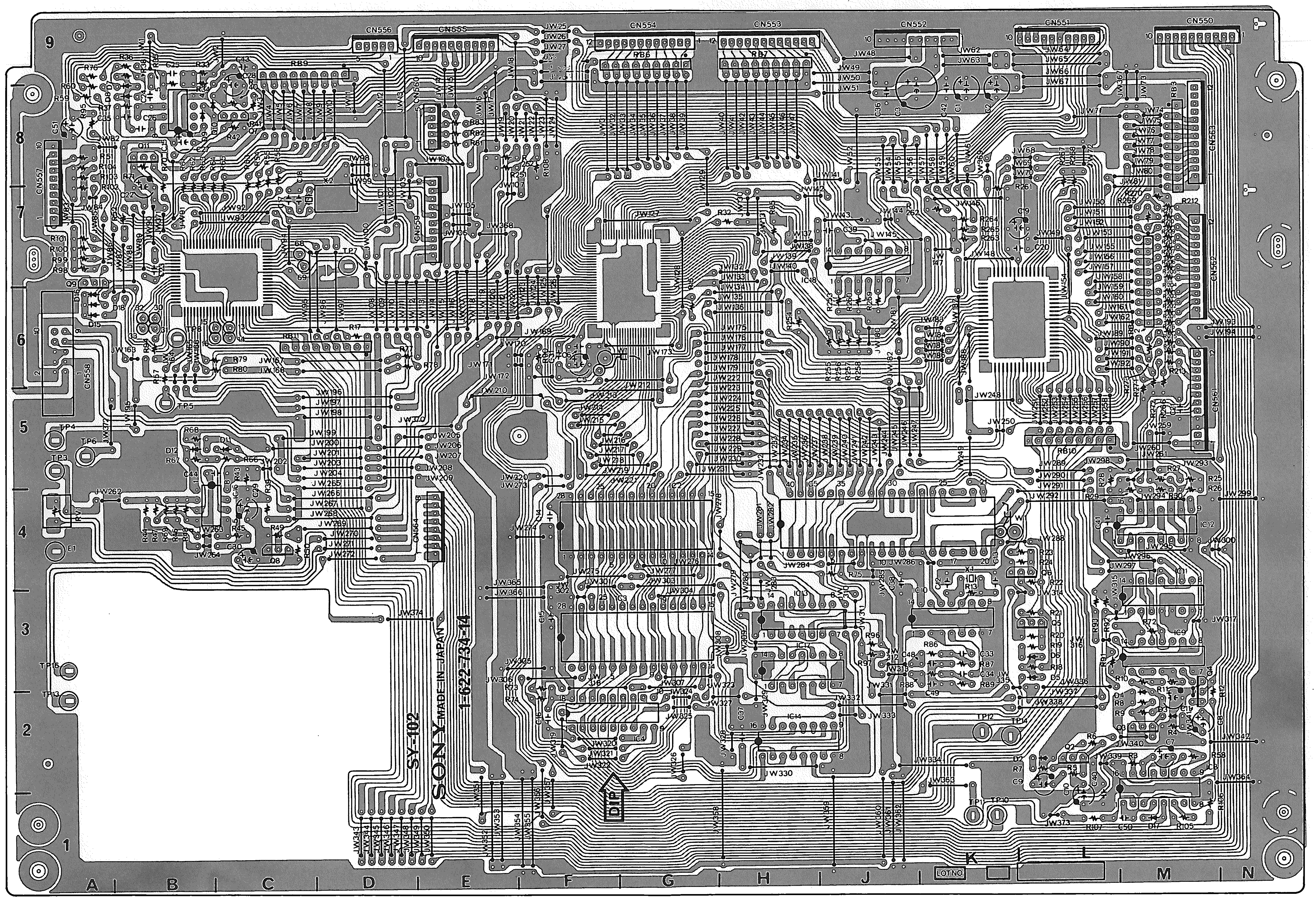
SY-102; SYSTEM CONTROL

S/N 10261 AND HIGHER(J)
S/N 12241 AND HIGHER(UC)

SY-102 (1-622-734-13,14)

CN550	M-9
CN551	L-9
CN552	K-9
CN553	H-9
CN554	G-9
CN555	E-9
CN556	D-9
CN557	A-8
CN558	A-6
CN559	E-7
CN560	E-8
CN561	M-5
CN562	M-7
CN563	M-8
CN564	E-4
D2	L-2
D3	M-2
D4	M-2
D5	L-3
D6	L-3
D7	B-8
D8	B-8
D9	B-8
D10	C-8
D11	C-5
D12	B-5
D15	A-6
D16	A-6
D17	M-1
D18	A-6
E1	A-4
IC2	G-4
IC3	G-3
IC4	G-2
IC5	J-4
IC8	M-1
IC9	M-3
IC10	K-3
IC11	M-3
IC12	M-4
IC13	H-3
IC14	H-2
IC15	B-8
IC16	C-4
IC17	H-3
IC18	J-7
Q2	L-2
Q3	M-2
Q4	M-2
Q5	L-3
Q6	L-4
Q7	C-8
Q8	C-4
Q9	A-7
Q11	B-8

RB2	M-6
RB3	M-8
RB6	G-9
RB7	H-9
RB9	C-9
RB10	L-5
RB11	D-6
RV1	A-4
TP3	A-5
TP4	A-5
TP5	B-5
TP6	A-5
TP7	D-7
TP8	B-6
TP10	K-1
TP11	K-1
TP12	K-2
TP13	A-2
TP14	K-2
TP16	A-3
X1	K-4
X2	D-7



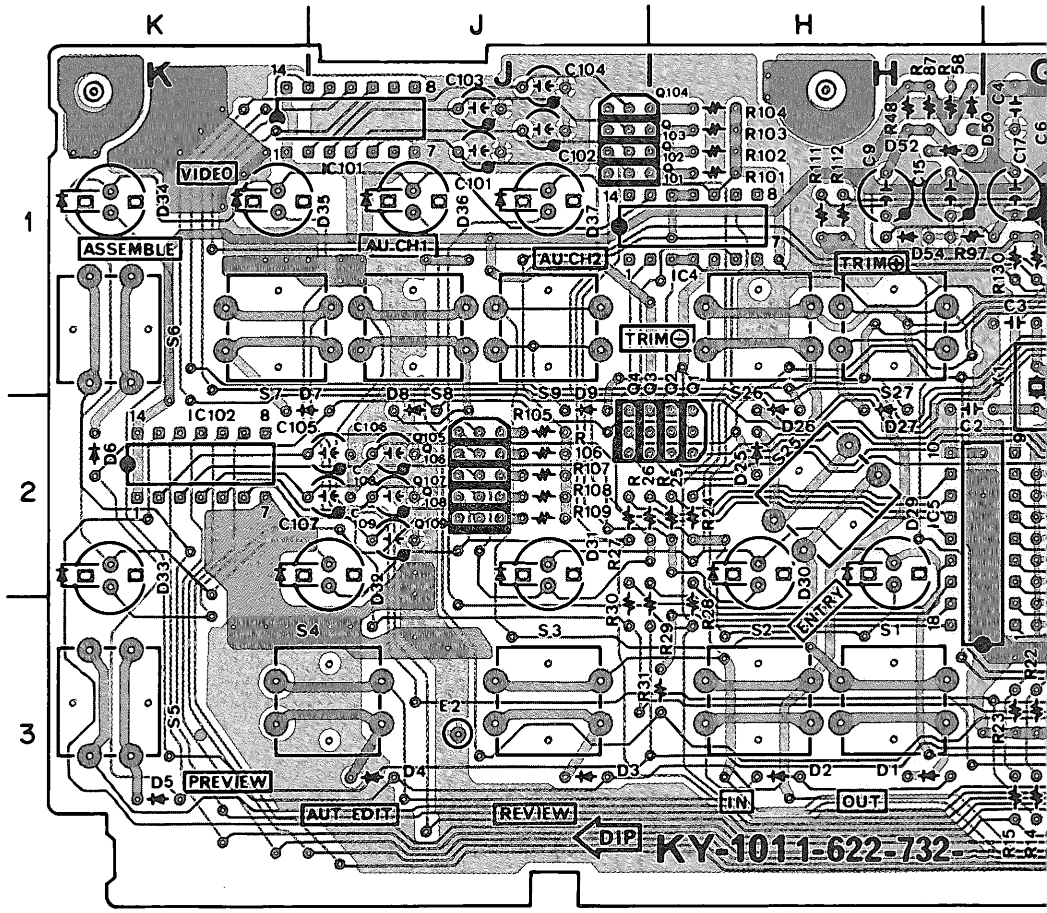
SY-102/A —COMPONENT SIDE—
1-622-734-13, 14(1)
BVU 950
BVU-950P

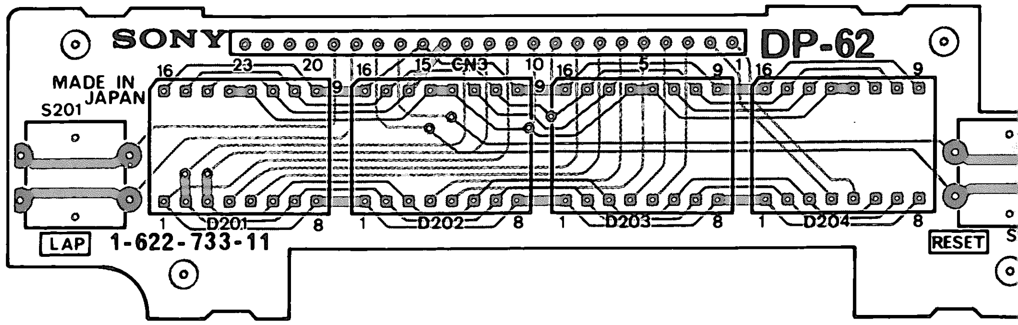
KY-101; FUNCTION KEY BOARD
DP-62; DISPLAY

S/N UP TO 10755(J)
S/N UP TO 13690(UC)

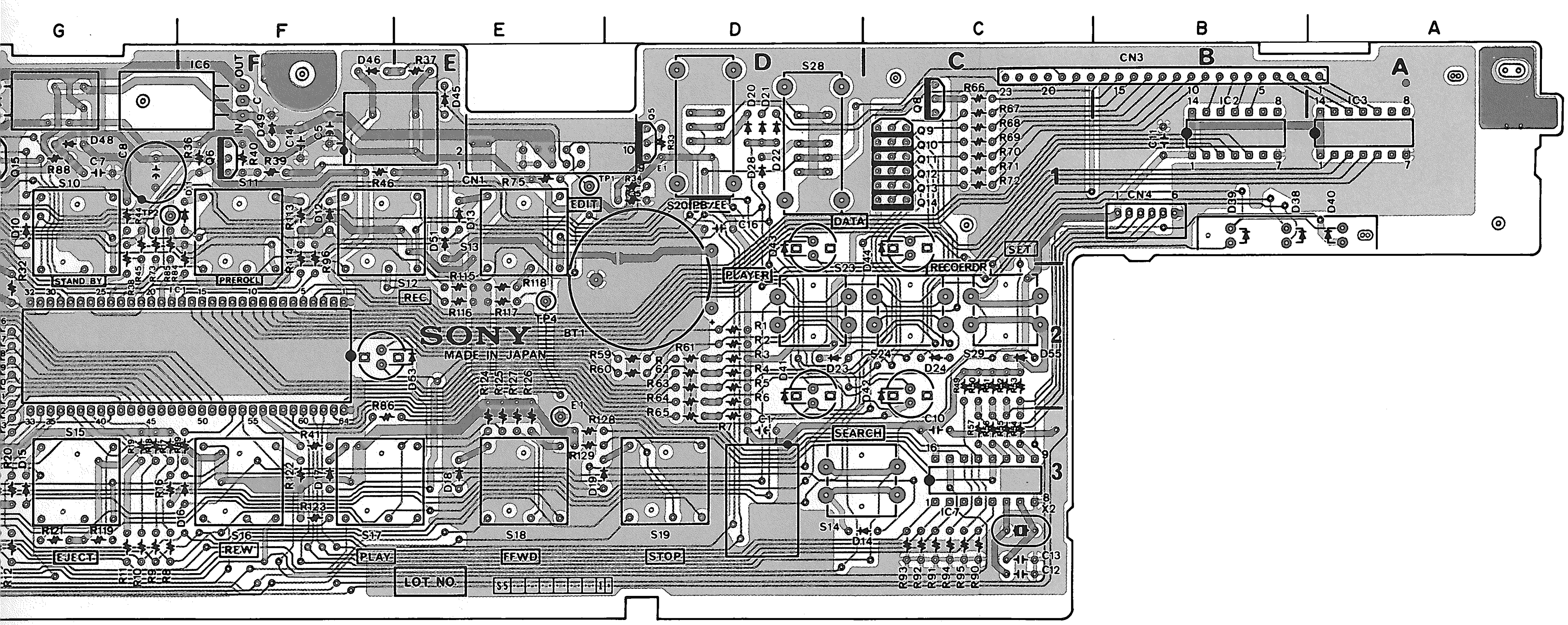
KY-101 (1-622-732-11, 12)

CN1	E-1	E1	E-3	S25	H-2
CN3	B-1	E2	J-3	S26	H-1
CN4	B-1			S27	H-1
		IC1	F-2	S28	D-1
D1	H-3	IC2	B-1	S29	C-2
D2	H-3	IC3	A-1		
D3	J-3	IC4	H-1	TP1	E-1
D4	J-3	IC5	H-2	TP2	G-1
D5	K-3	IC6	F-1	TP4	E-2
D6	K-2	IC7	C-3		
D7	K-2	IC101	J-1	X1	G-2
D8	J-2	IC102	K-2	X2	C-3
D9	J-2				
D10	G-1	Q1	H-2		
D11	F-1	Q2	H-2		
D12	F-1	Q3	J-2		
D13	E-1	Q4	J-2		
D14	D-3	Q5	D-1		
D15	G-3	Q6	F-1		
D16	F-3	Q8	C-1		
D17	F-3	Q9	C-1		
D18	E-3	Q10	C-1		
D19	E-3	Q11	C-1		
D20	D-1	Q12	C-1		
D21	D-1	Q13	C-1		
D22	D-1	Q14	C-1		
D23	D-2	Q15	G-1		
D24	C-2	Q101	J-1		
D25	H-2	Q102	J-1		
D26	H-2	Q103	J-1		
D27	H-2	Q104	J-1		
D28	D-1	Q105	J-2		
D29	H-2	Q106	J-2		
D30	H-2	Q107	J-2		
D31	J-2	Q108	J-2		
D32	K-2	Q109	J-2		
D33	K-2				
D34	K-1	S1	H-3		
D35	K-1	S2	H-3		
D36	J-1	S3	J-3		
D37	J-1	S4	J-3		
D38	B-1	S5	K-3		
D39	B-1	S6	K-1		
D40	A-1	S7	K-1		
D41	D-2	S8	J-1		
D42	C-2	S9	J-1		
D43	D-1	S10	G-1		
D44	C-1	S11	F-1		
D45	E-1	S12	F-1		
D46	F-1	S13	E-1		
D48	G-1	S14	D-3		
D49	F-1	S15	G-3		
D50	H-1	S16	F-3		
D51	E-1	S17	F-3		
D52	H-1	S18	E-3		
D53	E-2	S19	D-3		
D54	H-1	S20	D-1		
D55	C-2	S23	D-2		
		S24	C-2		





DP-62 —COMPONENT
1-622-733-11(1)
BVU-950
BVU-950P



KY-101 —COMPONENT SIDE—
1-622-732-11, 12(2)
BVU-950
BVU-950P

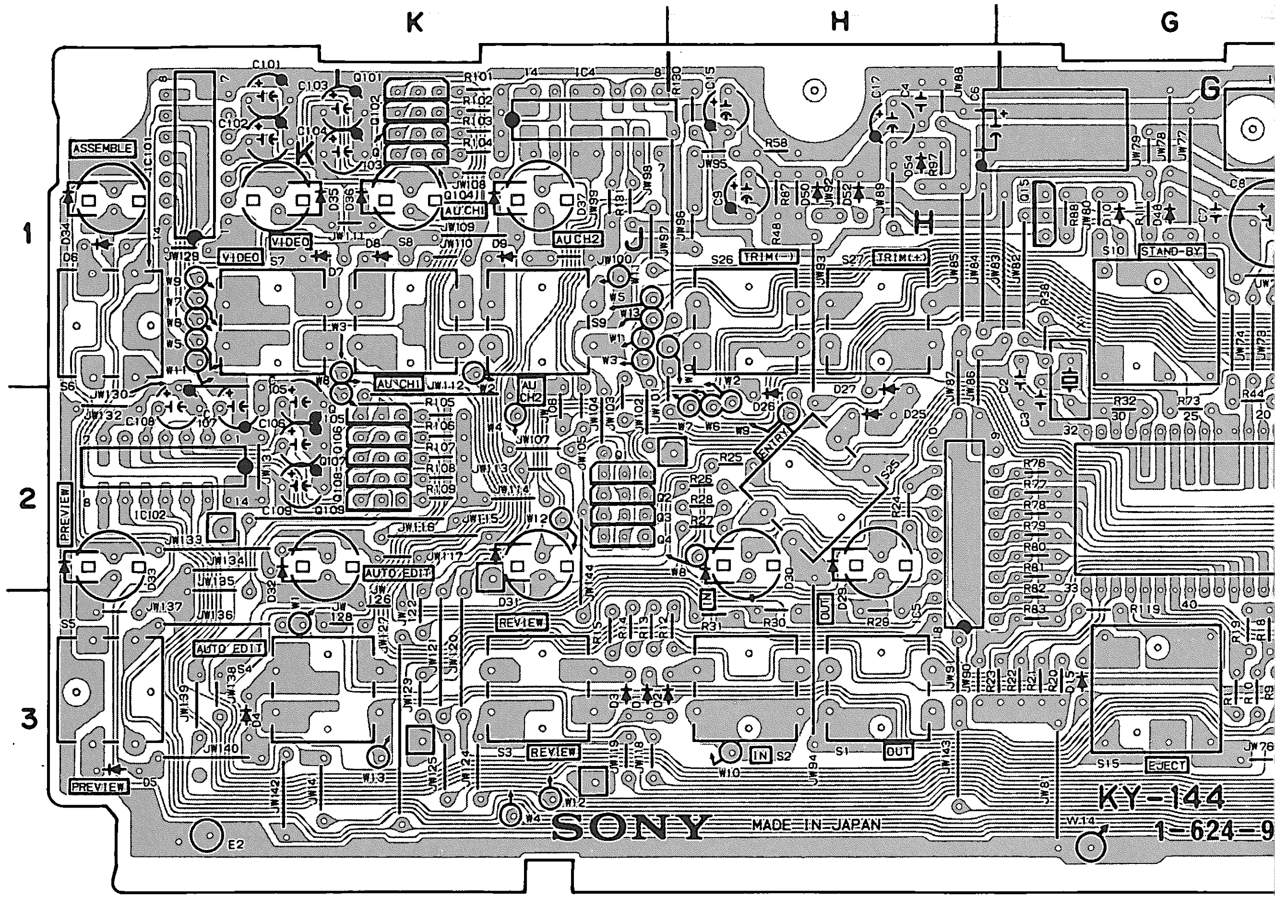
DE—

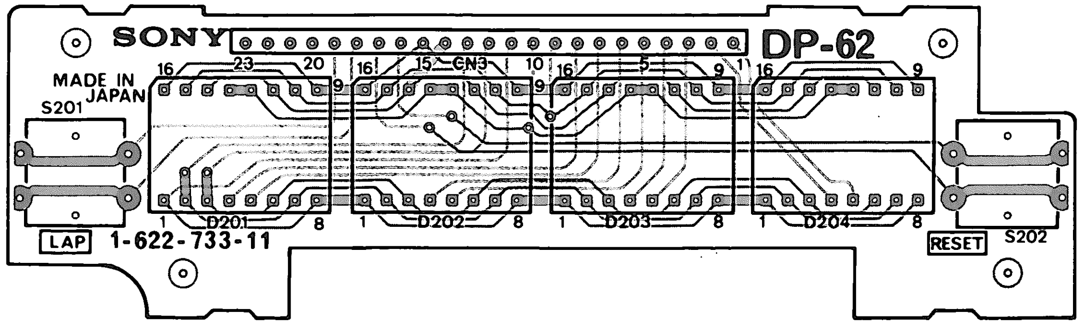
KY-144; FUNCTION KEY BOARD
DP-62; DISPLAY

S/N 10756 AND HIGHER(J)
S/N 13691 AND HIGHER(UC)

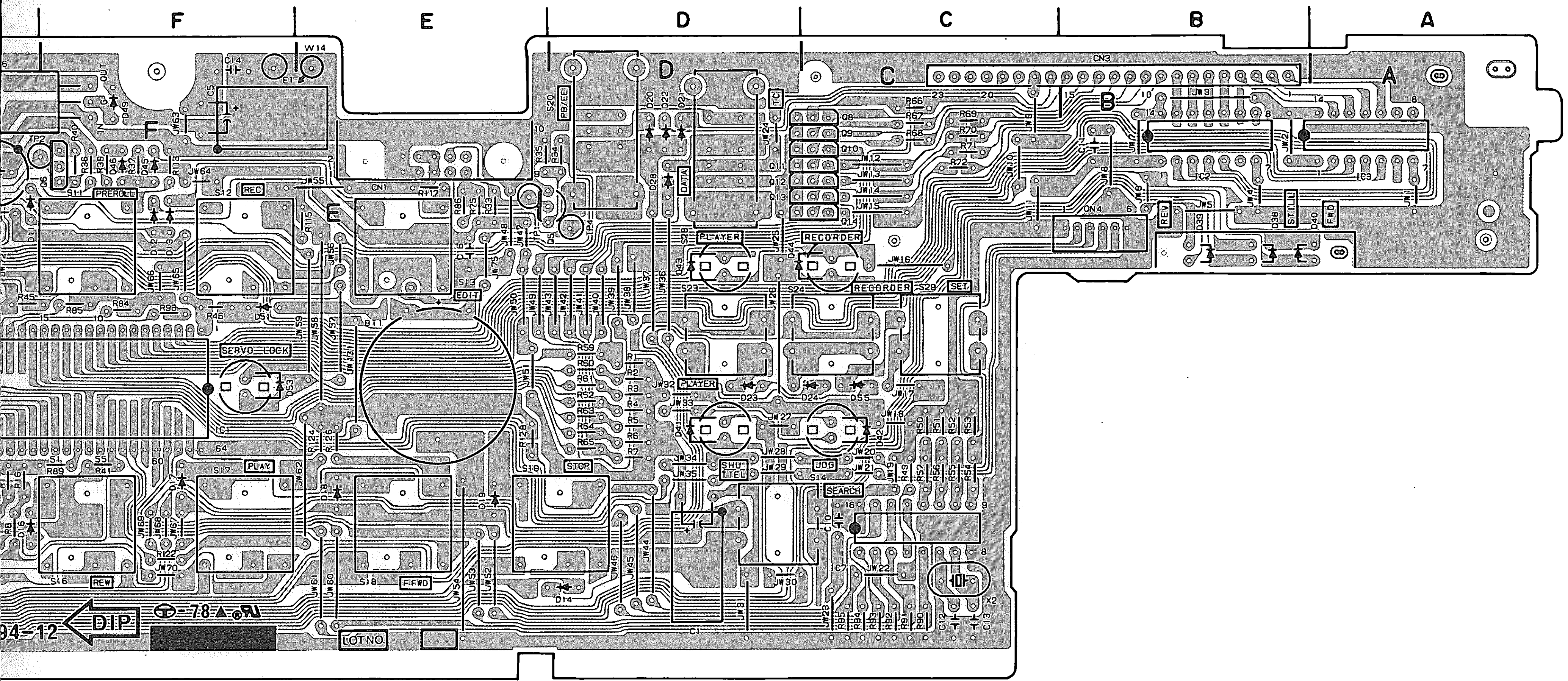
KY-144 (1-624-994-11,12)

CN1	E-1
CN3	B-1
CN4	B-1
D1	J-3
D2	J-3
D3	J-3
D4	K-3
D5	K-3
D6	K-1
D7	K-1
D8	J-1
D9	J-1
D10	G-1
D11	G-1
D12	F-1
D13	F-1
D14	D-3
D15	G-3
D16	G-3
D17	F-3
D18	E-3
D19	E-3
D20	D-1
D21	D-1
D22	D-1
D23	D-2
D24	C-2
D25	H-2
D26	H-2
D27	H-2
D28	D-1
D29	H-2
D30	H-2
D31	J-2
D32	K-2
D33	K-3
D34	K-1
D35	K-1
D36	J-1
D37	J-1
D38	B-1
D39	B-1
D40	B-1
D41	D-2
D42	C-2
D43	D-1
D44	C-1
D45	D-1
D46	D-1
D48	G-1
D49	D-1
D50	H-1
D51	F-2
D52	H-1
D53	F-2
D54	H-1
D55	C-2
E1	F-1
E2	K-3
IC1	F-2
IC2	B-1
IC3	A-1
IC4	J-1
IC5	H-2
IC6	G-1
IC7	C-3
IC101	K-1
IC102	K-2
Q1	J-2
Q2	J-2
Q3	J-2
Q4	J-2
Q5	D-1
Q6	F-1
Q8	C-1
Q9	C-1
Q10	C-1
Q11	C-1
Q12	C-1
Q13	C-1
Q14	C-1
Q15	G-1
Q101	J-1
Q102	J-1
Q103	J-1
Q104	J-1
Q105	J-2
Q106	J-2
Q107	J-2
Q108	J-2
Q109	J-2
S1	H-3
S2	H-3
S3	J-3
S4	K-3
S5	K-3
S6	K-1
S7	K-1
S8	J-1
S9	J-1
S10	G-1
S11	F-1
S12	F-1
S13	E-1
S14	D-3
S15	G-3
S16	F-3
S17	F-3
S18	E-3
S19	D-3
S20	D-1
S23	D-2
S24	C-2
S25	H-2
S26	H-1
S27	H-1
S28	D-1
S29	C-2
TP1	E-1
TP2	G-1
TP4	D-1
X1	G-2
X2	C-3



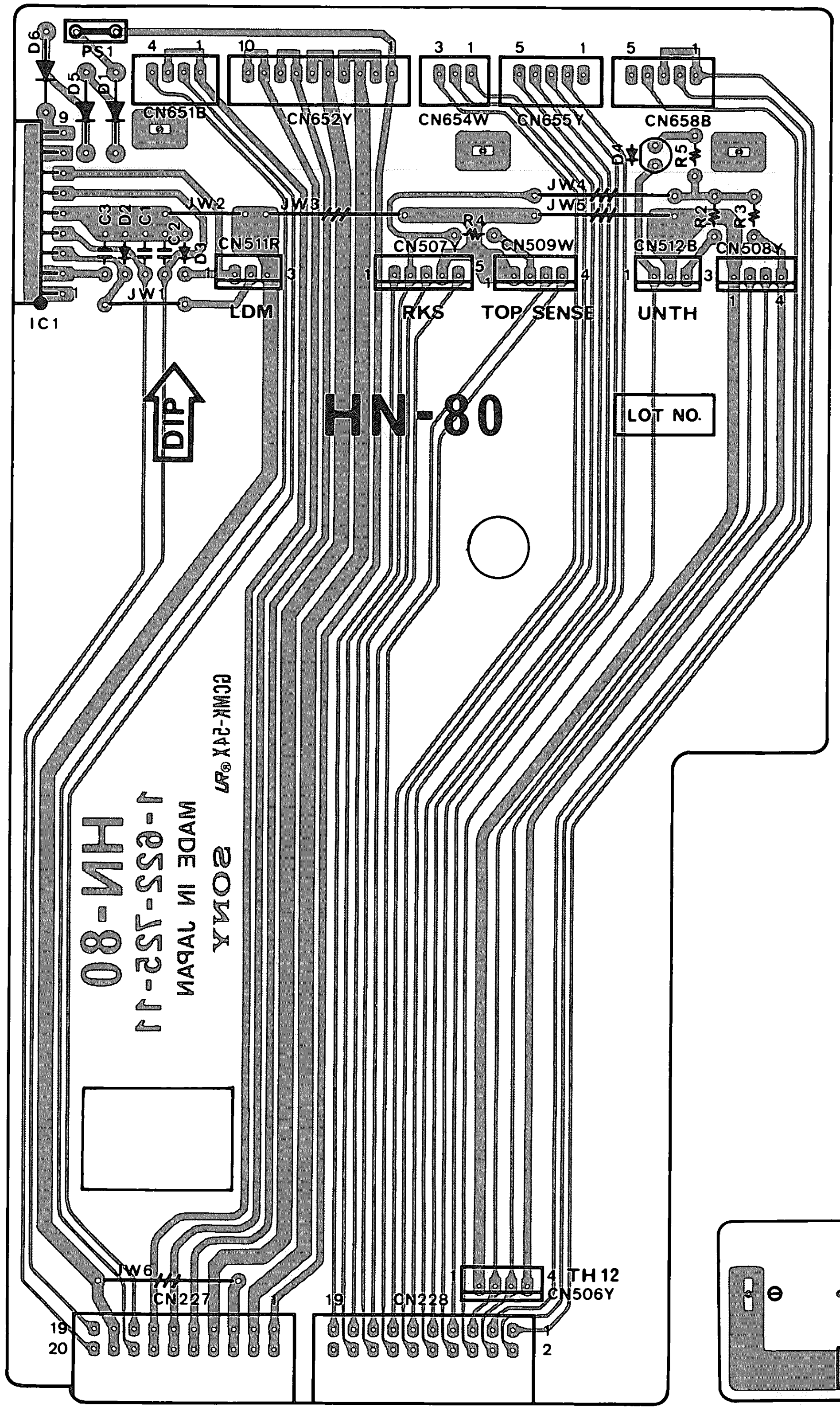


DP-62 —COMPONENT SIDE—
1-622-733-11(1)
BVU-950
BVU-950P

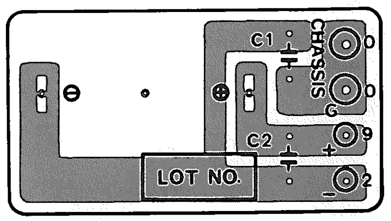


KY-144 —COMPONENT SIDE—
1-624-994-11, 12(1)
BVU-950
BVU-950P

HN-80; THREADING MOTOR DRIVER
LM-13; THREADING MOTOR

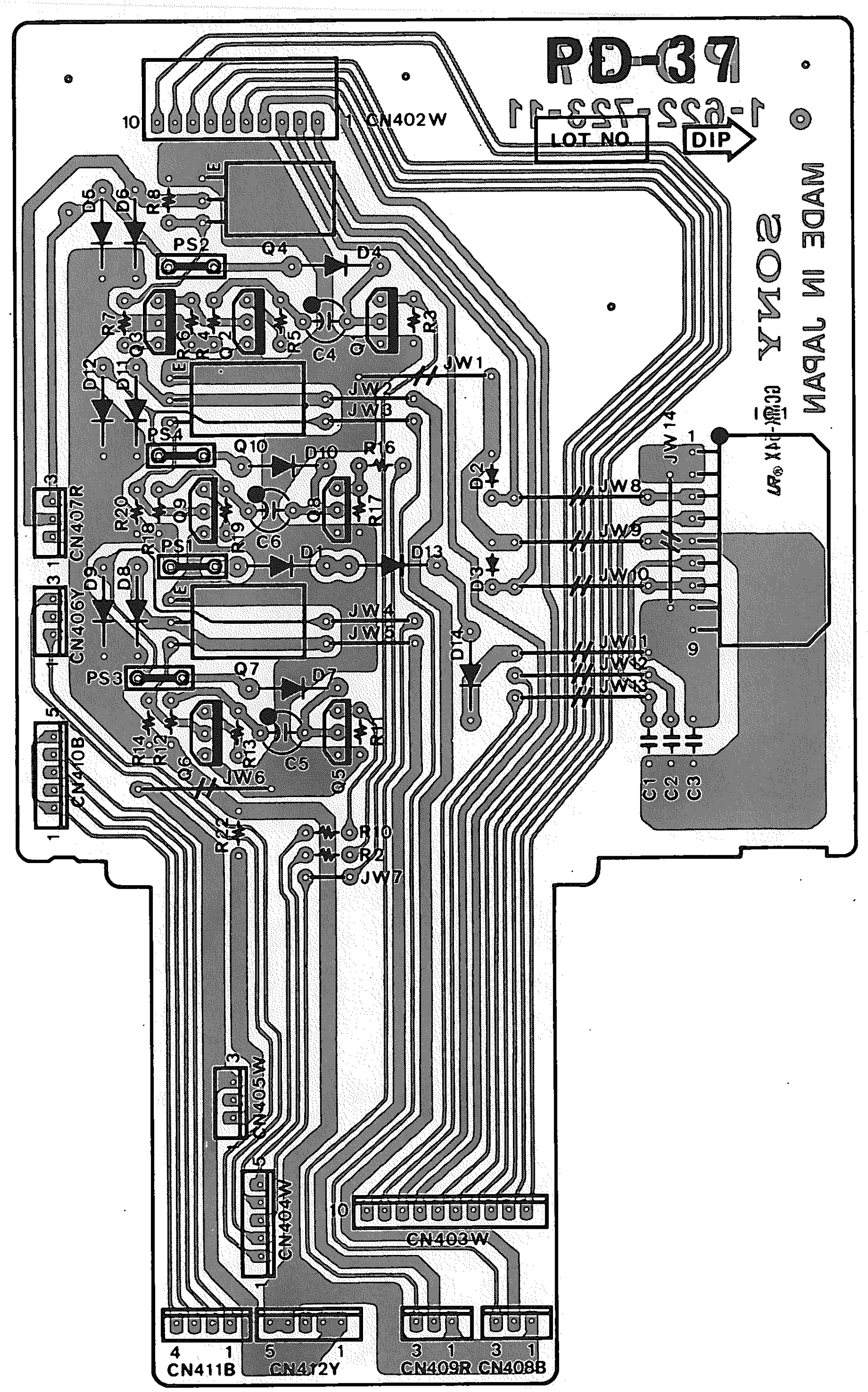


HN-80 —COMPONENT SIDE—
1-622-725-11(1)
BVU-950
BVU-950P



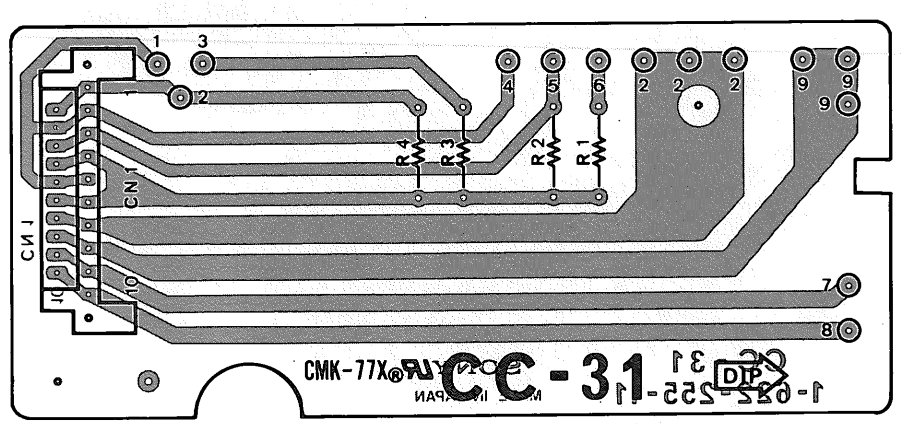
LM-13 —COMPONENT SIDE—
1-618-600-11(1)
BVU-950
BVU-950P

PD-37; CASSETTE-UP COMPARTMENT MOTOR DRIVE/SOLENOID DRIVE
CC-31; CASSETTE COMPARTMENT DRIVE
CC-32; CASSETTE DOWN DETECTOR
CC-33; CASSETTE IN DETECTOR
CC-36; CASSETTE DOWN DETECTOR
CC-37; CASSETTE IN DETECTOR

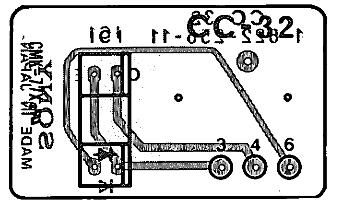


RD-37 —COMPONENT SIDE—
1-622-723-11(1)
BVU-950
BVU-950P

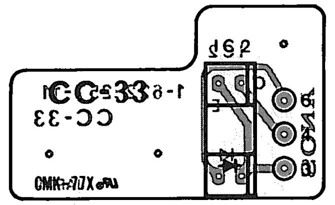
S/N UP TO 11025 (J)
S/N UP TO 13940 (UC)
S/N UP TO 10045 (BRZ)



CC-31 —COMPONENT SIDE—
1-622-255-11(1)
BVU-950
BVU-950P

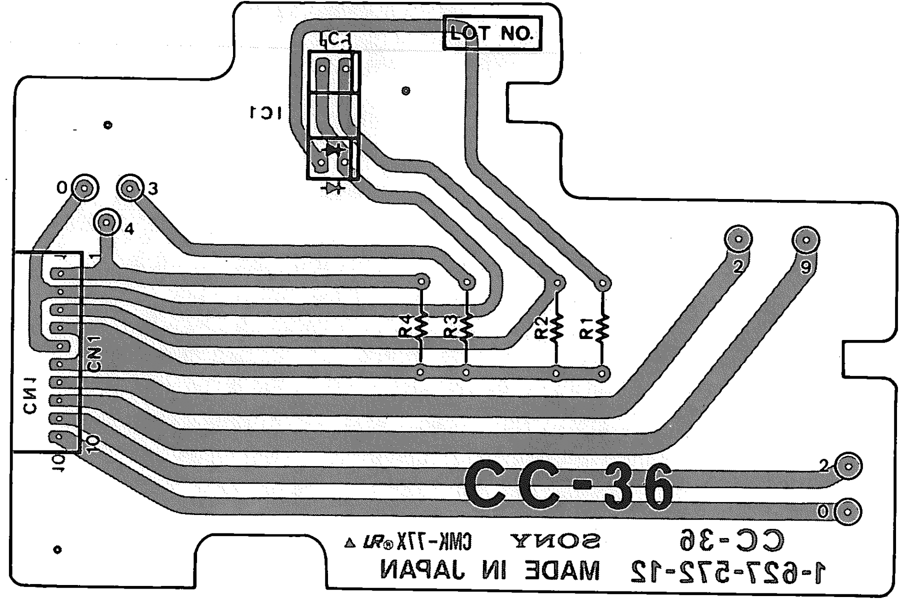


CC-32 —COMPONENT SIDE—
1-622-256-11(1)
BVU-950
BVU-950P

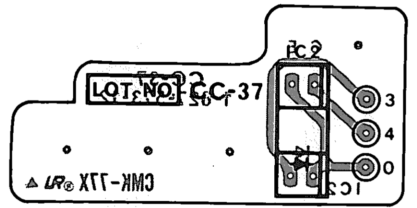


CC-33 —COMPONENT SIDE—
1-622-257-11(1)
BVU-950
BVU-950P

S/N 11026 AND HIGHER (J)
S/N 13941 AND HIGHER (UC)
S/N 10046 AND HIGHER (BRZ)

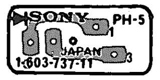


CC-36 —COMPONENT SIDE—
1-627-572-12(1)
BVU-950
BVU-950P

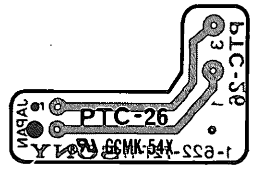


CC-37 —COMPONENT SIDE—
1-627-573-12(1)
BVU-950
BVU-950P

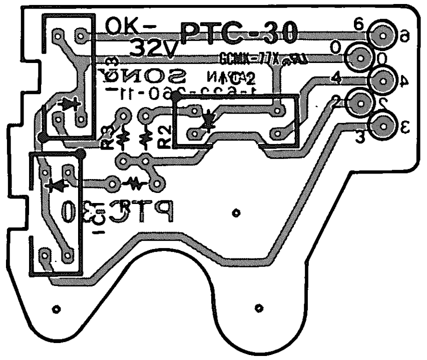
PH-5(A);	TAPE TOP LED
PH-5(B);	TAPE TOP SENSOR
PH-5(C);	TAPE END LED
PTC-26;	TAPE END SENSOR
PTC-30;	SP, MISS REC. KCA DETECTOR
PTC-32;	SEARCH DIAL
PTC-33;	FR STOP DETECTOR
PTC-34;	UNTHREAD END DETECTOR



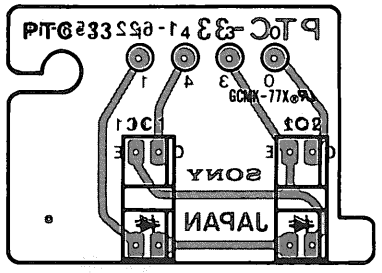
PH-5(A),(B),(C)
—COMPONENT SIDE—
1-603-737-11(1)
BVU-950
BVU-950P



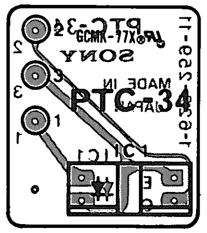
PTC-26 —COMPONENT SIDE—
1-622-721-11(1)
BVU-950
BVU-950P



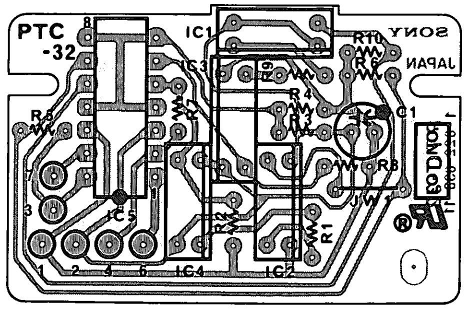
PTC-30 —COMPONENT SIDE—
1-622-260-11(1)
BVU-950
BVU-950P



PTC-33 —COMPONENT SIDE—
1-622-258-11(1)
BVU-950
BVU-950P



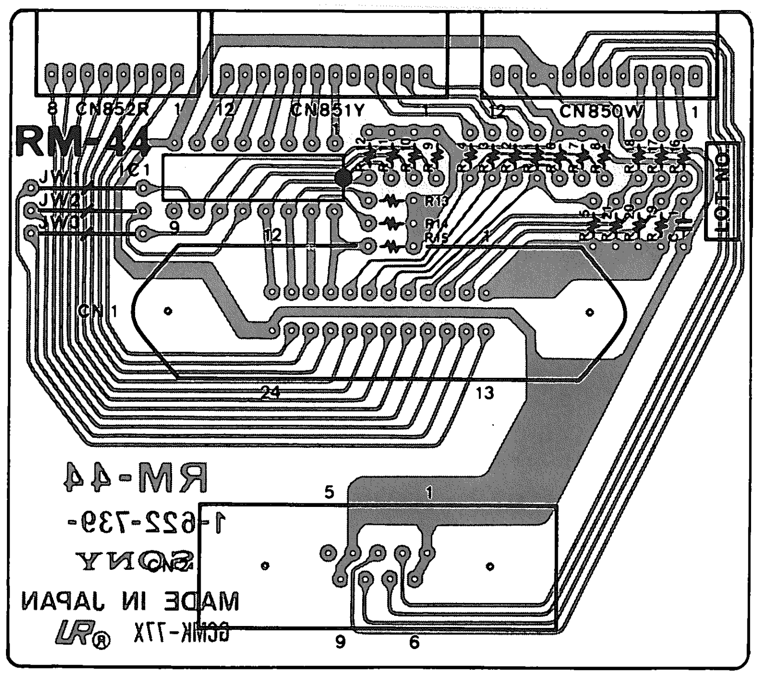
PTC-34 —COMPONENT SIDE—
1-622-259-11(1)
BVU-950
BVU-950P



PTC-32 —COMPONENT SIDE—
1-622-638-11(1)
BVU-950
BVU-950P

RM-44; REMOTE CONTROL(9PIN & 24PIN)

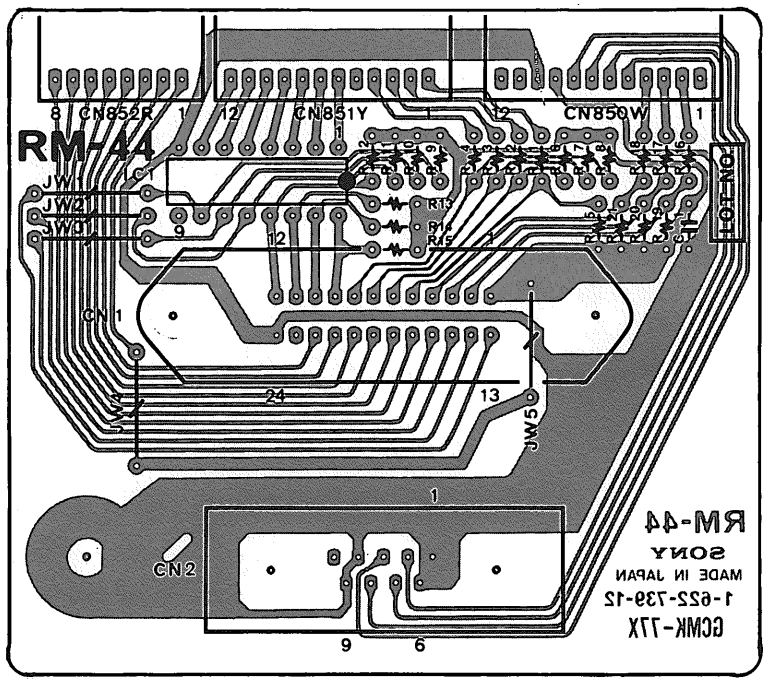
S/N UP TO 10020(J)
S/N UP TO 10380(UC)



RM-44 —COMPONENT SIDE—
1-622-739-11(1)
BVU-950
BVU-950P

RM-44; REMOTE CONTROL(9PIN & 24PIN)

S/N 10021 AND HIGHER(J)
S/N 10381 AND HIGHER(UC)



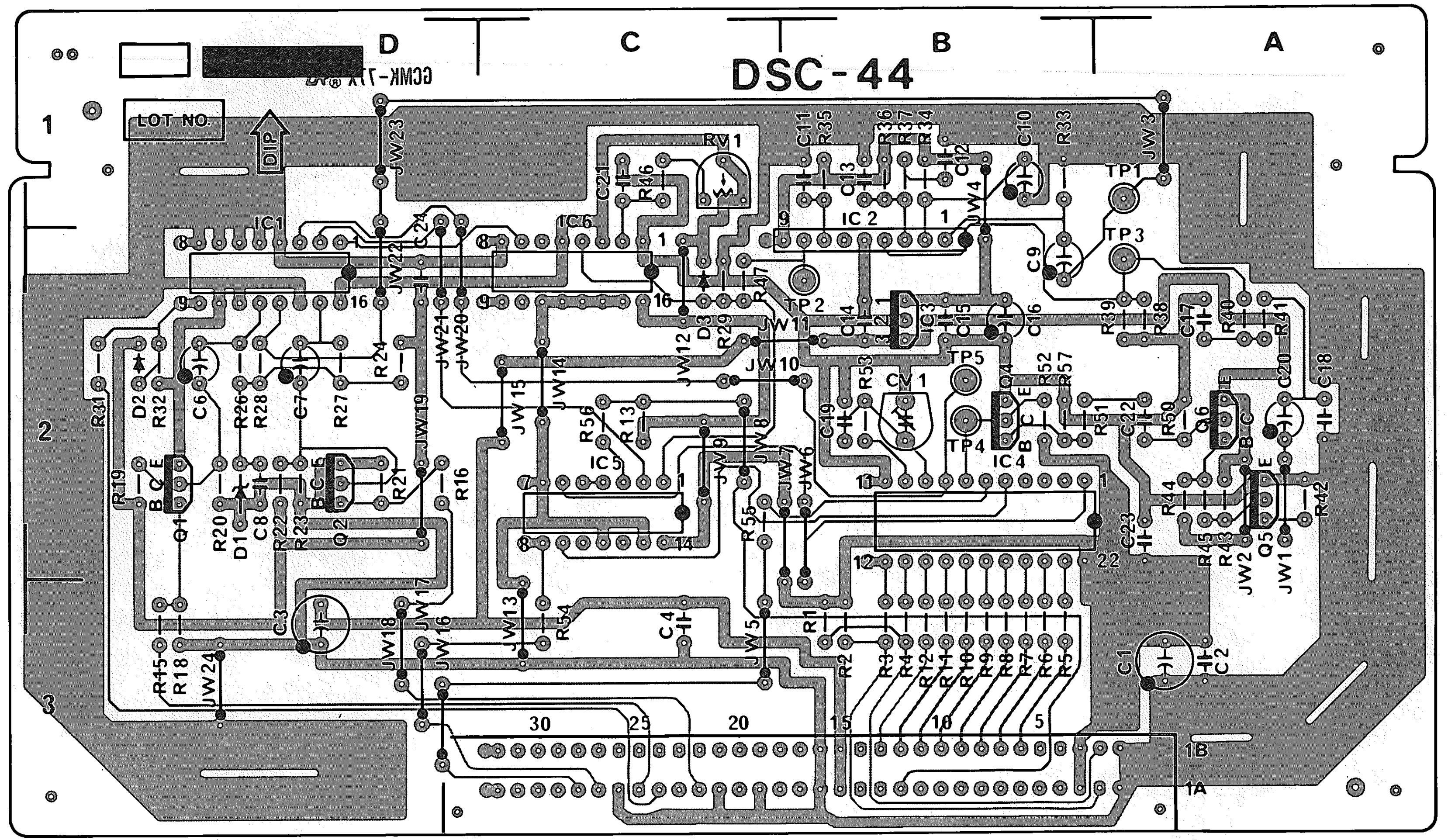
RM-44 —COMPONENT SIDE—
1-622-739-12(1)
BVU-950
BVU-950P

DSC-44; CHARACTER GENERATOR

S/N UP TO 10020(J)
S/N UP TO 10380(UC)

DSC-44 (1-622-710-11)

CV1	B-2
D1	D-2
D2	D-2
D3	C-2
IC1	D-2
IC2	B-2
IC3	B-2
IC4	B-2
IC5	C-2
IC6	C-2
Q1	D-2
Q2	D-2
Q4	B-2
Q5	A-2
Q6	A-2
RV1	C-1
TP1	A-1
TP2	B-2
TP3	A-2
TP4	B-2
TP5	B-2



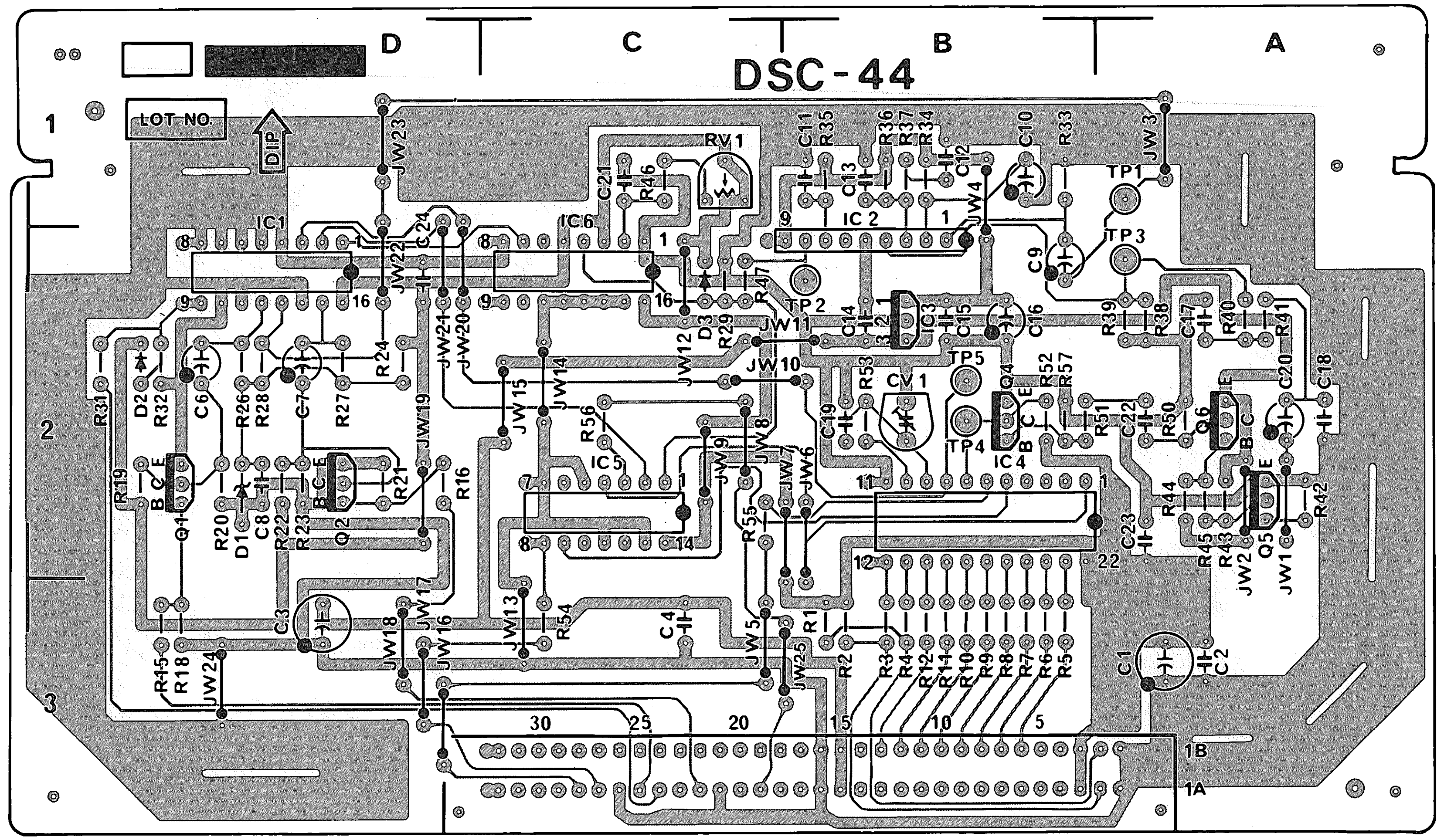
DSC-44 —COMPONENT SIDE—
1-622-710-11(1)
BVU-950
BVU-950P

DSC-44; CHARACTER GENERATOR

S/N 10021 TO 10220(J)
S/N 10381 TO 11680(UC)

DSC-44 (1-622-710-12)

CV1	B-2
D1	D-2
D2	D-2
D3	C-2
IC1	D-2
IC2	B-2
IC3	B-2
IC4	B-2
IC5	C-2
IC6	C-2
Q1	D-2
Q2	D-2
Q4	B-2
Q5	A-2
Q6	A-2
RV1	C-1
TP1	A-1
TP2	B-2
TP3	A-2
TP4	B-2
TP5	B-2



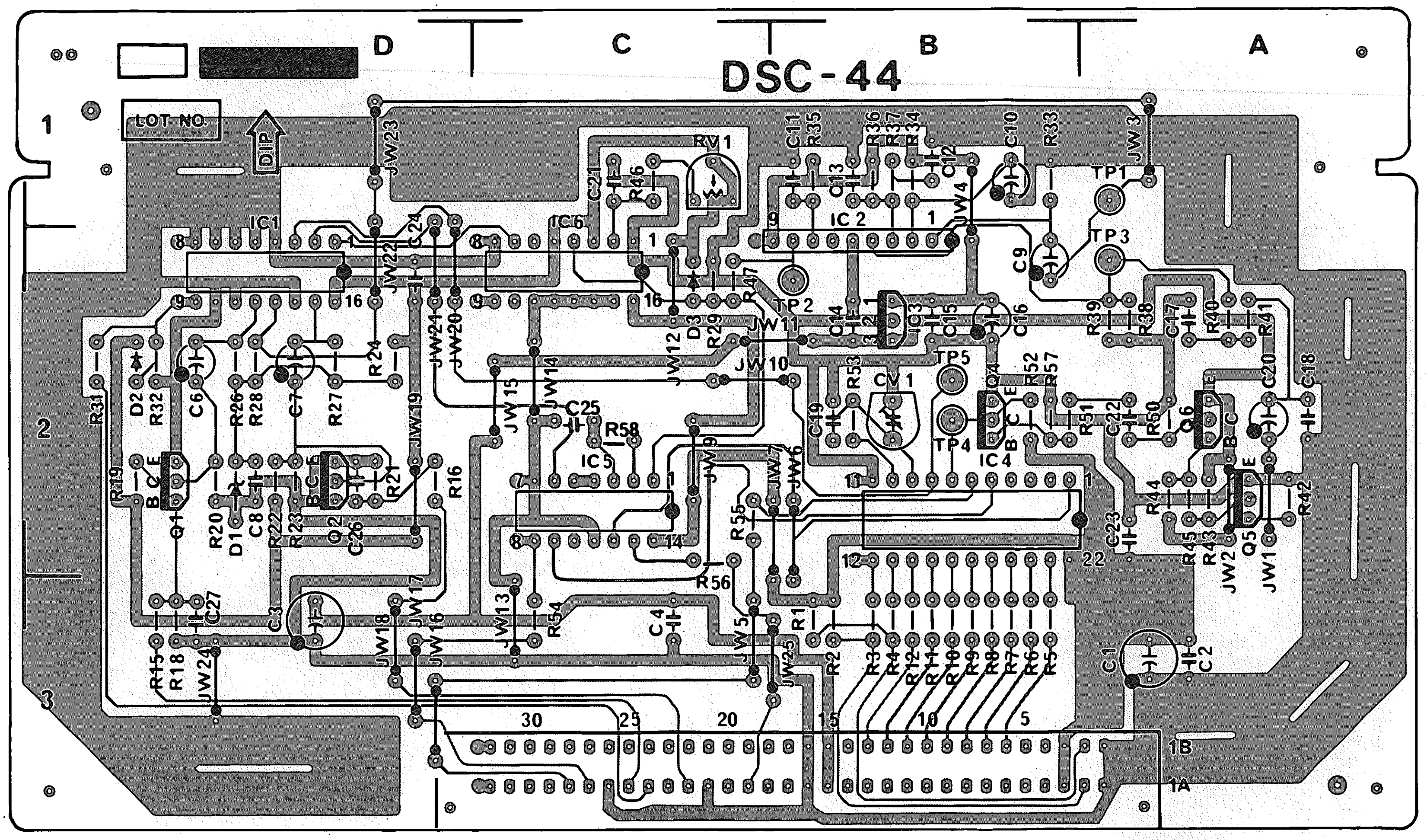
DSC-44 —COMPONENT SIDE—
1-622-710-12(1)
BVU-950
BVU-950P

DSC-44; CHARACTER GENERATOR

S/N 10221 AND HIGHER(J)
S/N 11681 AND HIGHER(UC)

DSC-44 (1-622-710-13)

CV1	B-2
D1	D-2
D2	D-2
D3	C-2
IC1	D-2
IC2	B-2
IC3	B-2
IC4	B-2
IC5	C-2
IC6	C-2
Q1	D-2
Q2	D-2
Q4	B-2
Q5	A-2
Q6	A-2
RV1	C-1
TP1	A-1
TP2	B-2
TP3	A-2
TP4	B-2
TP5	B-2



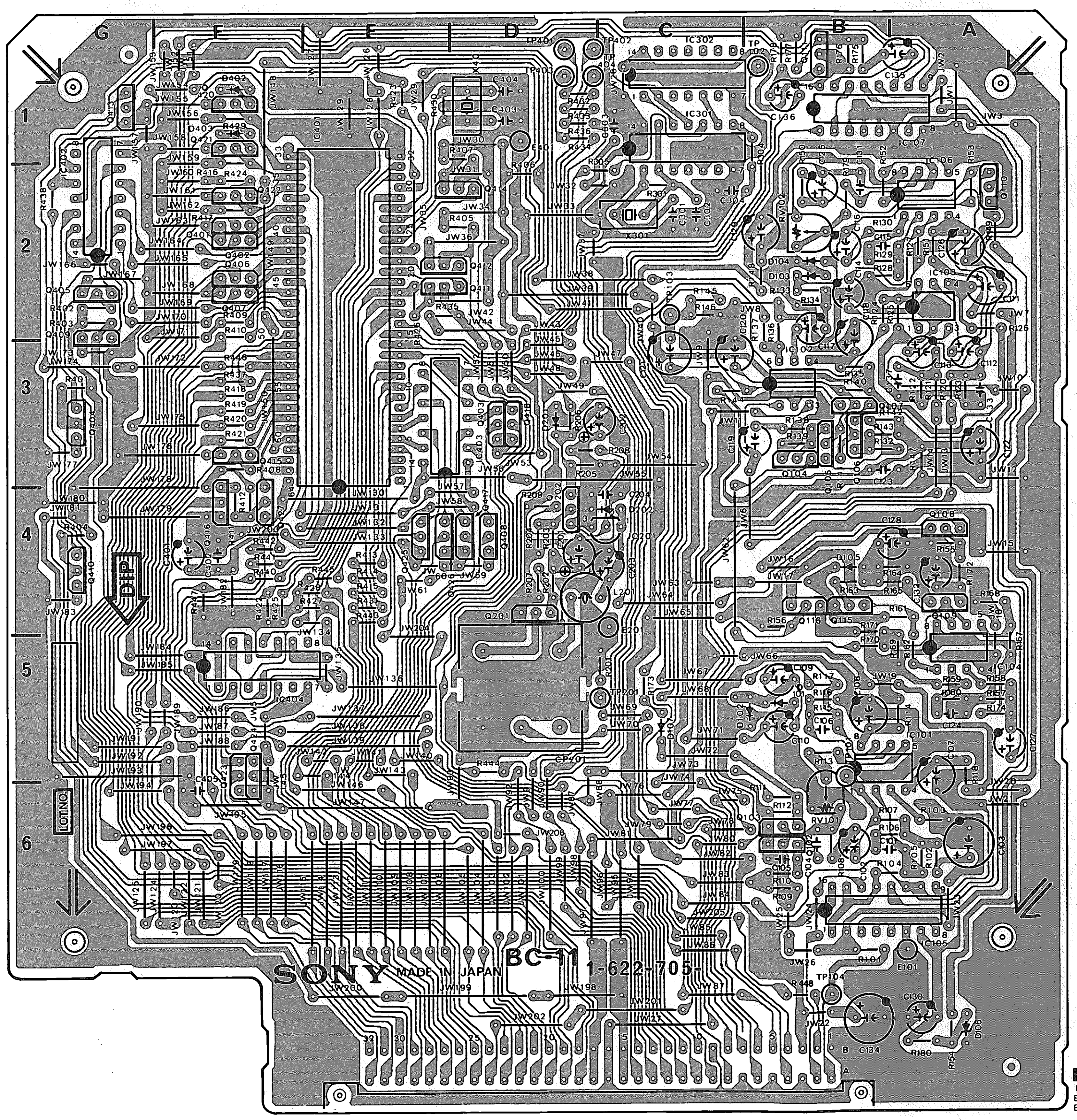
DSC-44 —COMPONENT SIDE—
1-622-710-13(1)
BVU-950
BVU-950P

BC-11; VIDEO/AUDIO TIMING CONTROL, TIME CODE REC/PB AMPLIFIER, FULL ERASE OSCILLATOR
HN-84; TIME CODE HEAD

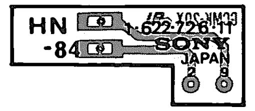
S/N UP TO 10120(J)
S/N UP TO 11180(UC)

BC-11 (1-622-705-11, 12)

CP201	D-5	Q414	D-2
D101	B-5	Q415	F-3
D102	C-5	Q416	F-4
D103	B-2	Q417	D-4
D104	B-2	Q418	D-3
D105	B-4	Q420	F-1
D106	A-6	Q421	F-1
D107	C-5	Q422	F-2
D201	D-3	Q423	F-5
D202	C-4	Q424	F-5
D402	F-1	Q425	E-4
D403	F-1	Q426	E-4
		Q427	F-4
E101	A-6		
E201	C-4	RV101	B-6
E401	D-1	RV102	B-2
IC101	B-5	TP101	B-5
IC102	B-3	TP102	B-1
IC103	A-2	TP103	C-2
IC104	A-5	TP104	B-6
IC105	B-6	TP201	C-5
IC106	A-2	TP401	D-1
IC107	B-1	TP402	D-1
IC201	C-4	TP403	D-1
IC301	C-1	TP404	D-1
IC302	C-1		
IC401	E-2	X301	C-2
IC402	G-2	X401	D-1
IC403	E-3		
IC404	F-5		
Q102	B-6		
Q103	B-6		
Q104	B-3		
Q105	B-3		
Q106	B-3		
Q107	B-3		
Q108	A-4		
Q109	A-4		
Q110	A-2		
Q111	B-1		
Q115	B-4		
Q116	B-4		
Q201	D-4		
Q202	D-4		
Q401	F-2		
Q402	F-2		
Q403	D-3		
Q404	G-3		
Q405	G-2		
Q406	F-2		
Q407	F-2		
Q408	D-4		
Q409	G-2		
Q410	G-4		
Q411	E-2		
Q412	E-2		
Q413	G-1		



BC-11 —COMPONENT SIDE—
1-622-705-11, 12(2)
BVU-950
BVU-950P



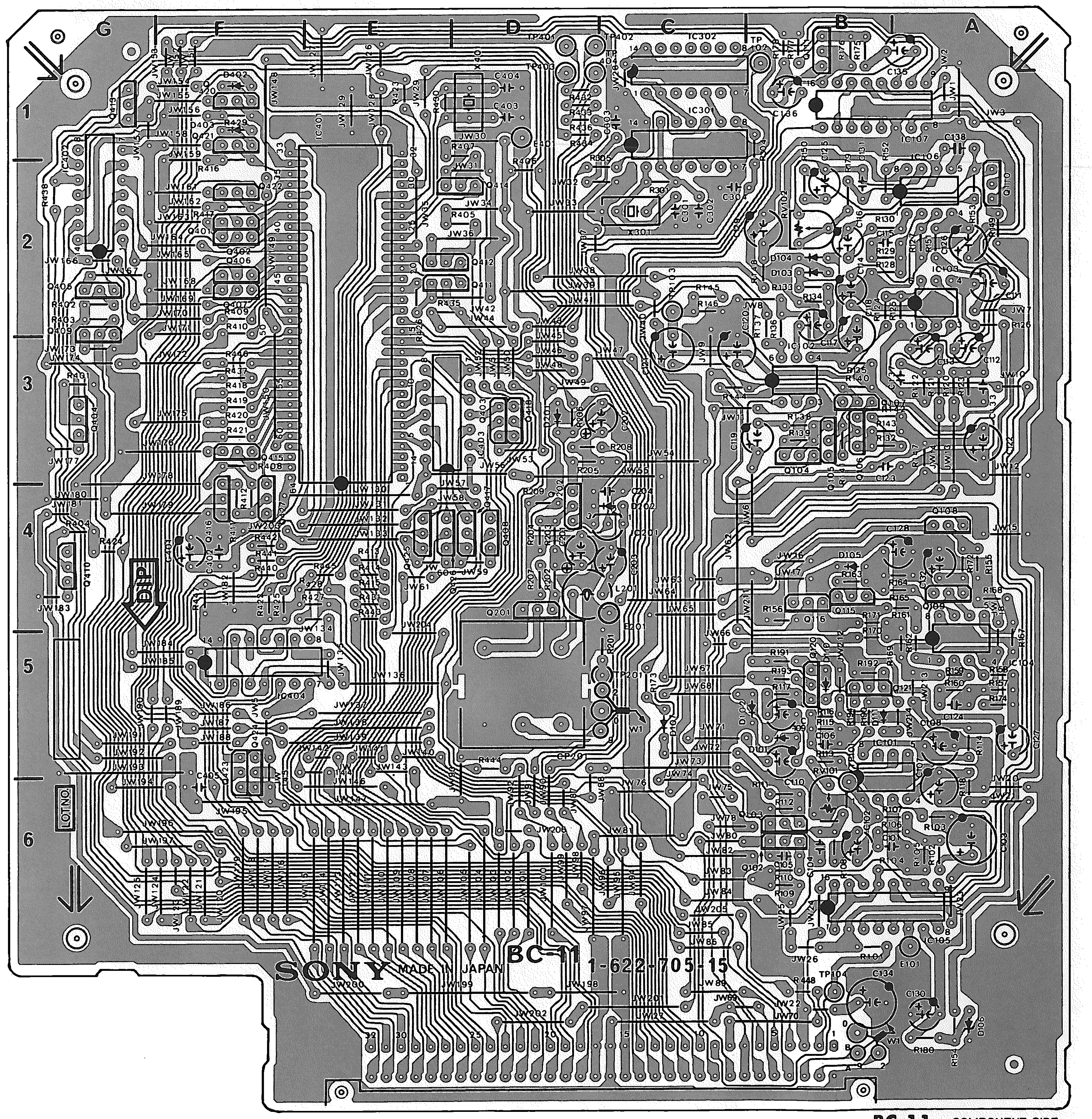
HN-84 —COMPONENT SIDE—
1-622-726-11(1)
BVU-950
BVU-950P

BC-11; VIDEO/AUDIO TIMING CONTROL, TIME CODE REC/PB AMPLIFIER, FULL ERASE OSCILLATOR
HN-84; TIME CODE HEAD

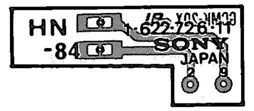
S/N 10121 AND HIGHER(J)
S/N 11181 AND HIGHER(UC)

BC-11 (1-622-705-13,14,15)

CP201	D-5
D101	B-5
D102	C-5
D103	B-2
D104	B-2
D105	B-4
D106	A-6
D107	C-5
D201	D-3
D202	C-4
D402	F-1
D403	F-1
E101	A-6
E201	C-4
E401	D-1
IC101	B-5
IC102	B-3
IC103	A-2
IC104	A-5
IC105	B-6
IC106	A-2
IC107	B-1
IC201	C-4
IC301	C-1
IC302	C-1
IC401	E-2
IC402	G-2
IC403	E-3
IC404	F-5
Q102	B-6
Q103	B-6
Q104	B-3
Q105	B-3
Q106	B-3
Q107	B-3
Q108	A-4
Q109	A-4
Q110	A-2
Q111	B-1
Q115	B-4
Q116	B-4
Q201	D-4
Q202	D-4
Q401	F-2
Q402	F-2
Q403	D-3
Q404	G-3
Q405	G-2
Q406	F-2
Q407	F-2
Q408	D-4
Q409	G-2
Q410	G-4
Q411	E-2
Q412	E-2
Q413	G-1
Q414	D-2
Q415	F-3
Q416	F-4
Q417	D-4
Q418	D-3
Q420	F-1
Q421	F-1
Q422	F-2
Q423	F-5
Q424	F-5
Q425	E-4
Q426	E-4
Q427	F-4
RV101	B-6
RV102	B-2
TP101	B-5
TP102	B-1
TP103	C-2
TP104	B-6
TP201	C-5
TP401	D-1
TP402	D-1
TP403	D-1
TP404	D-1
X301	C-2
X401	D-1

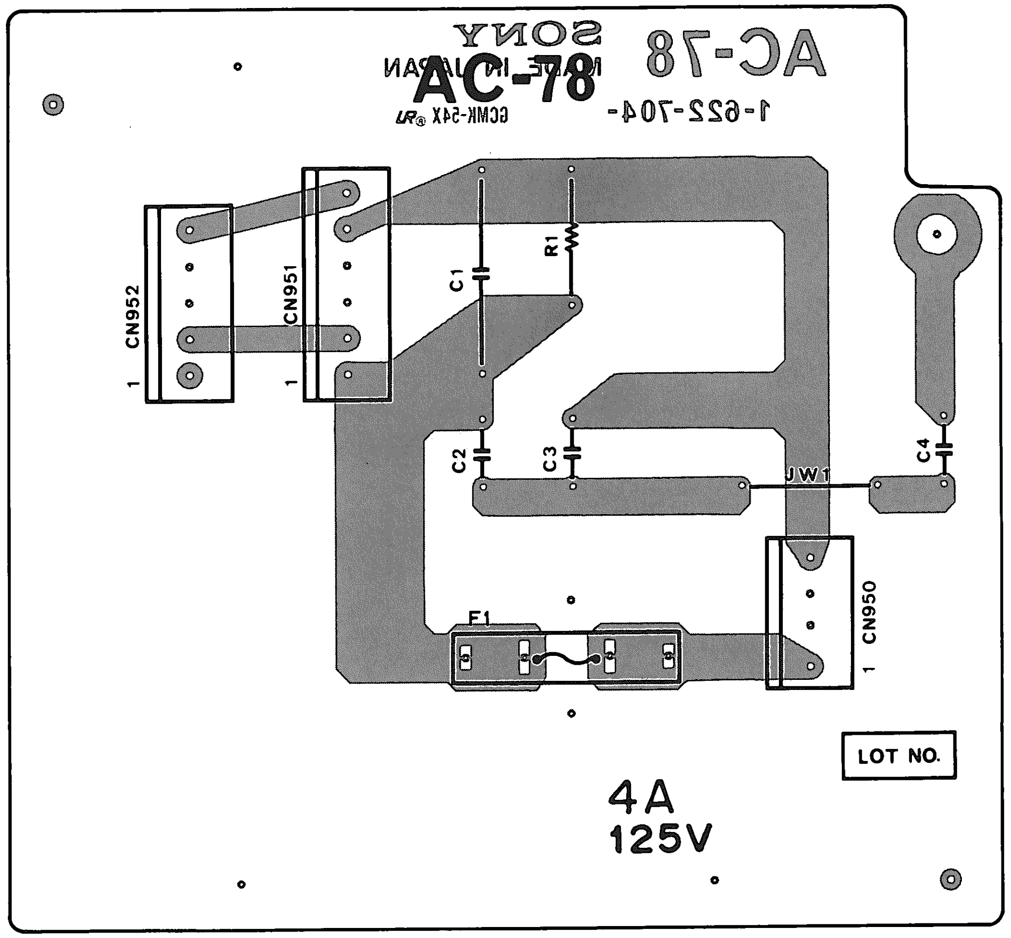


BC-11 —COMPONENT SIDE—
1-622-705-13, 14, 15(1)
BVU-950
BVU-950P



HN-84 —COMPONENT SIDE—
1-622-726-11(1)
BVU-950
BVU-950P

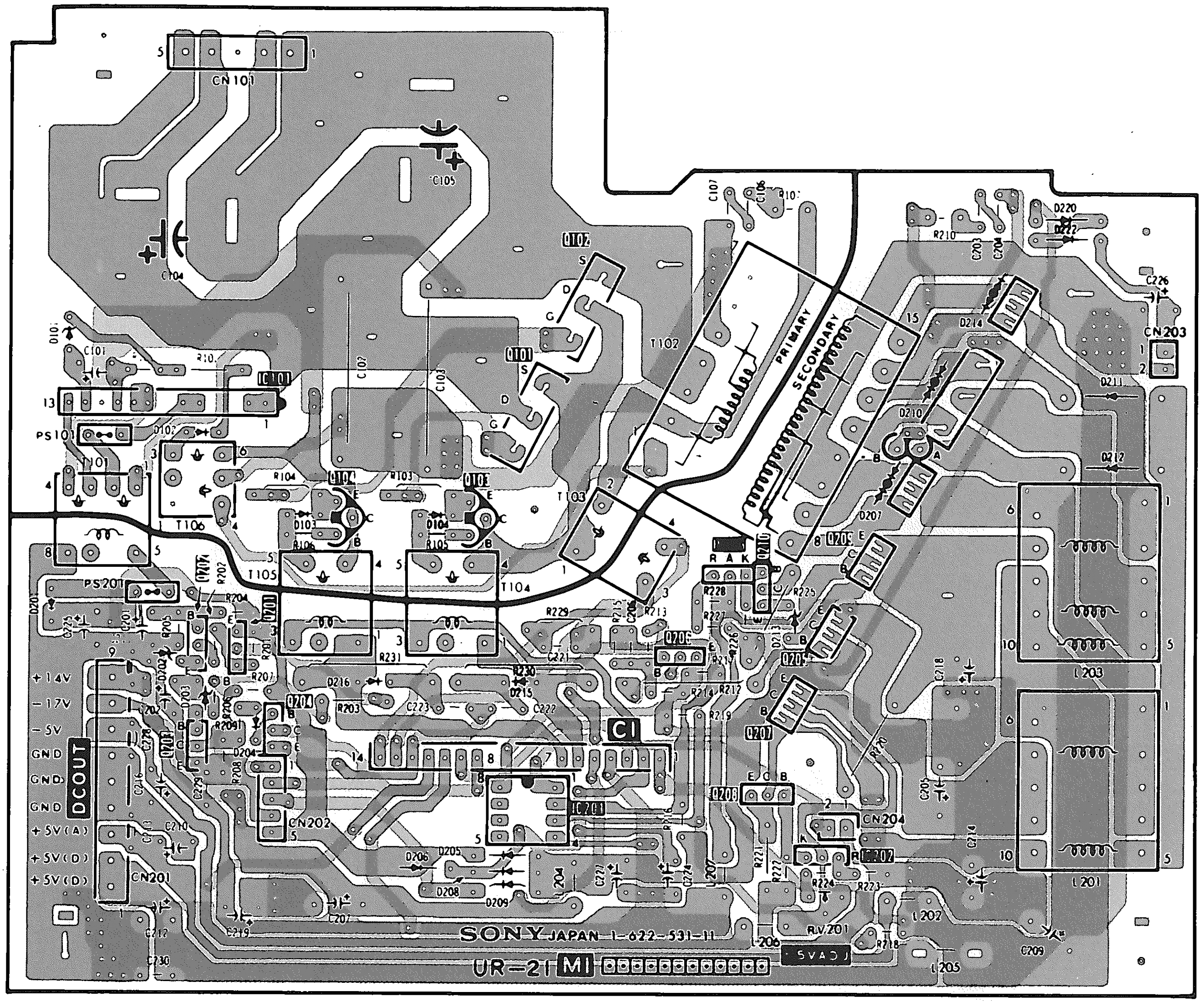
AC-78: AC PRIMARY CIRCUIT



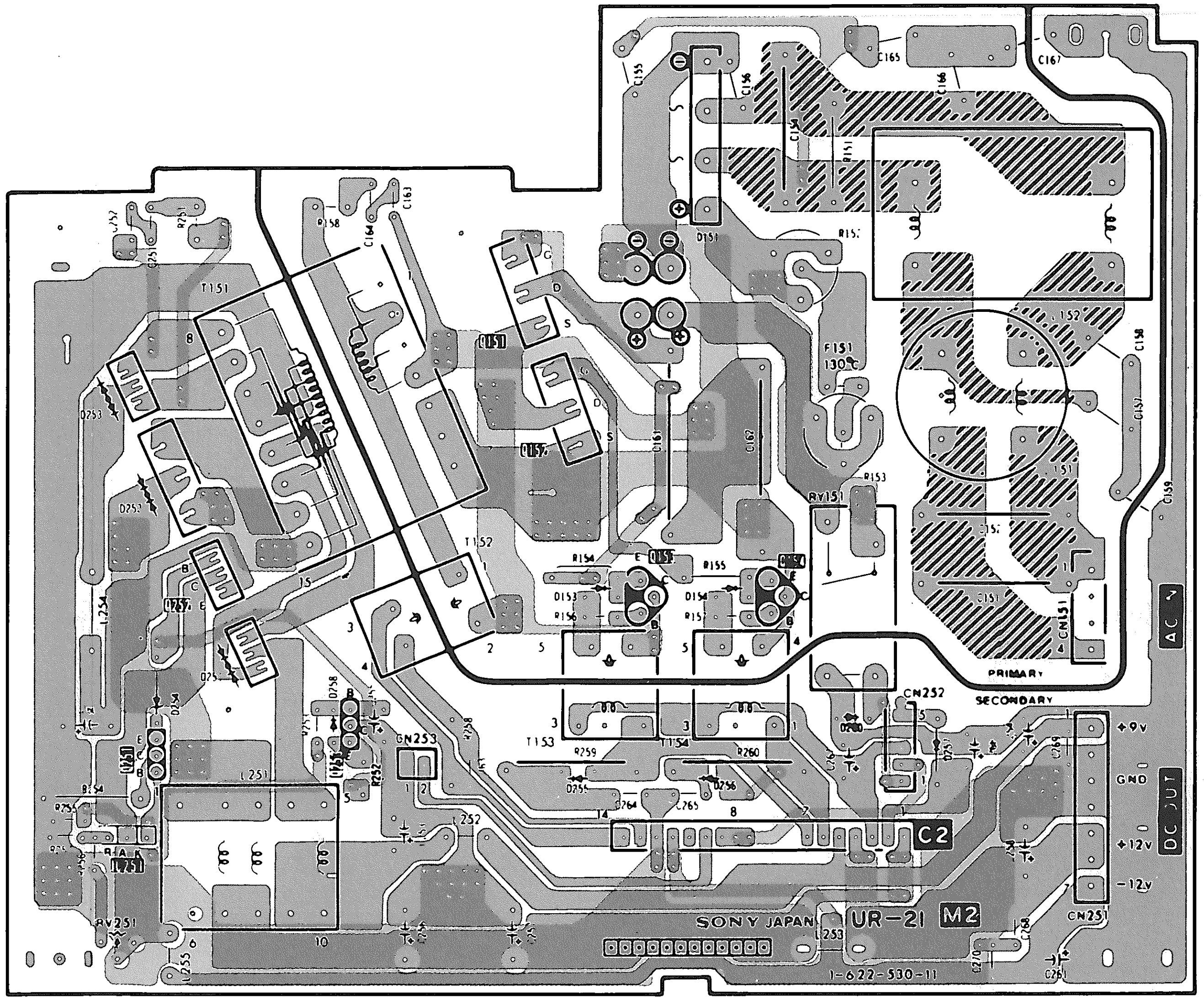
AC-78 —COMPONENT SIDE—
1-622-704-11, 12(2)
BVU-950

UR-21; SWITCHING REGULATOR
C1
C2
M1
M2

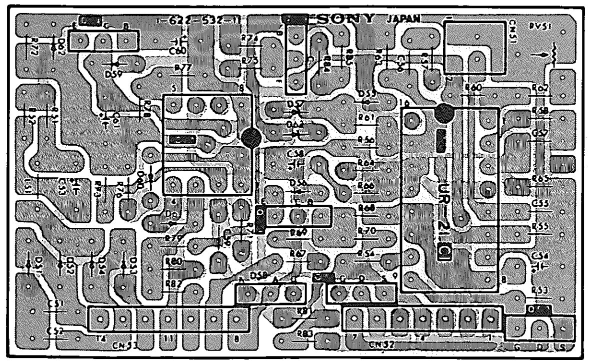
S/N UP TO 10755 (J)
S/N UP TO 13690 (UC)



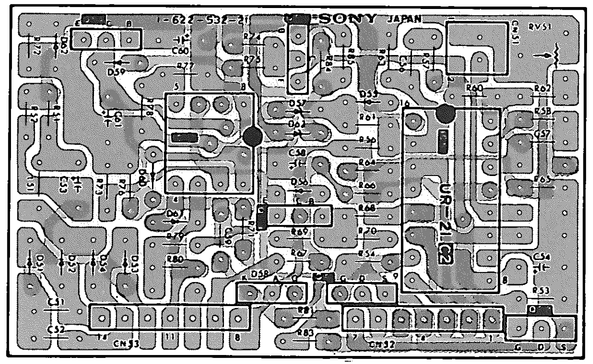
M1 —SOLDERING SIDE—
1-622-531-11(1)
BVU-950
BVU-950P



M2 —SOLDERING SIDE—
1-622-530-11(1)
BVU-950
BVU-950P



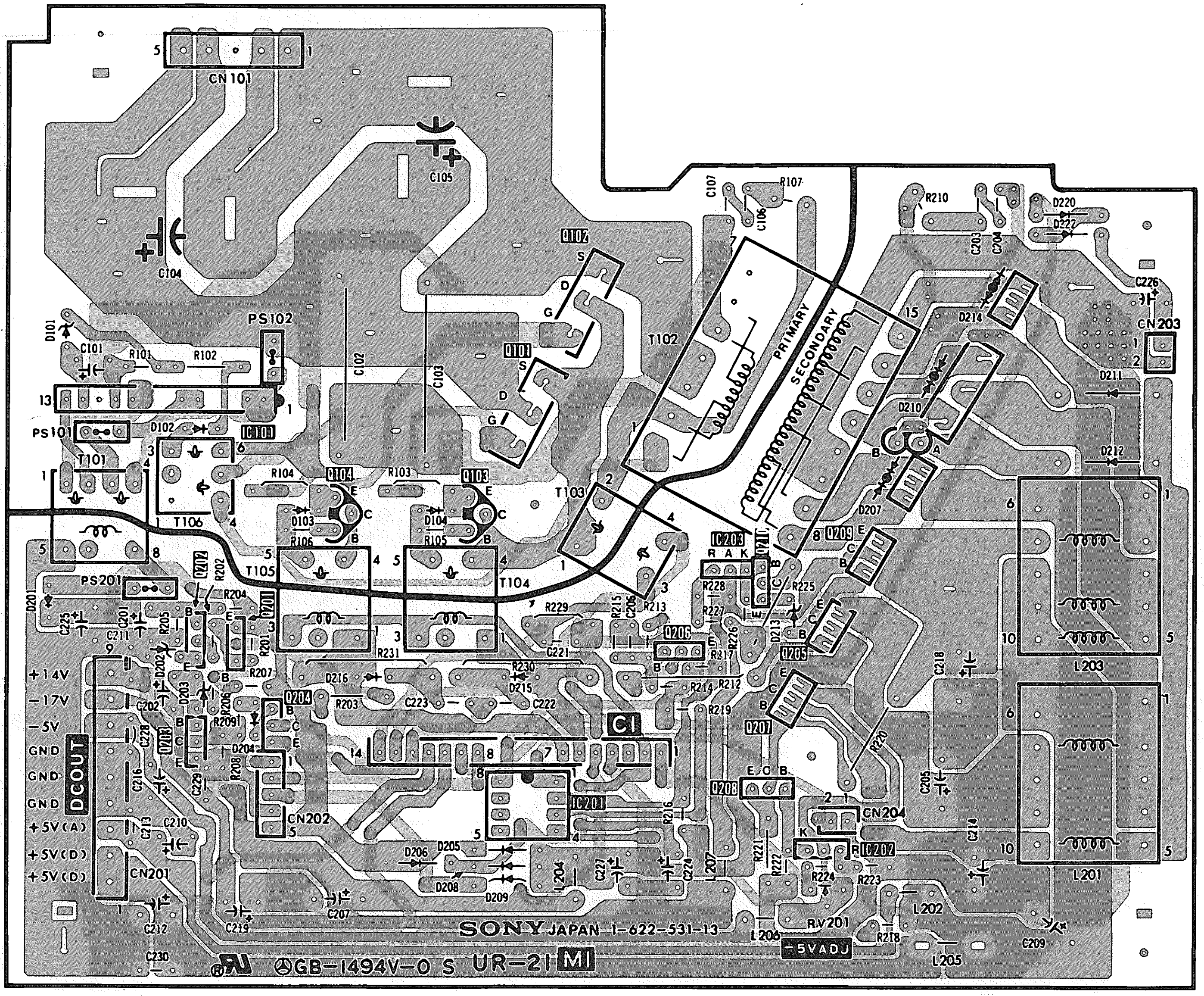
C1 —SOLDERING SIDE—
1-622-532-11(1)
BVU-950
BVU-950P



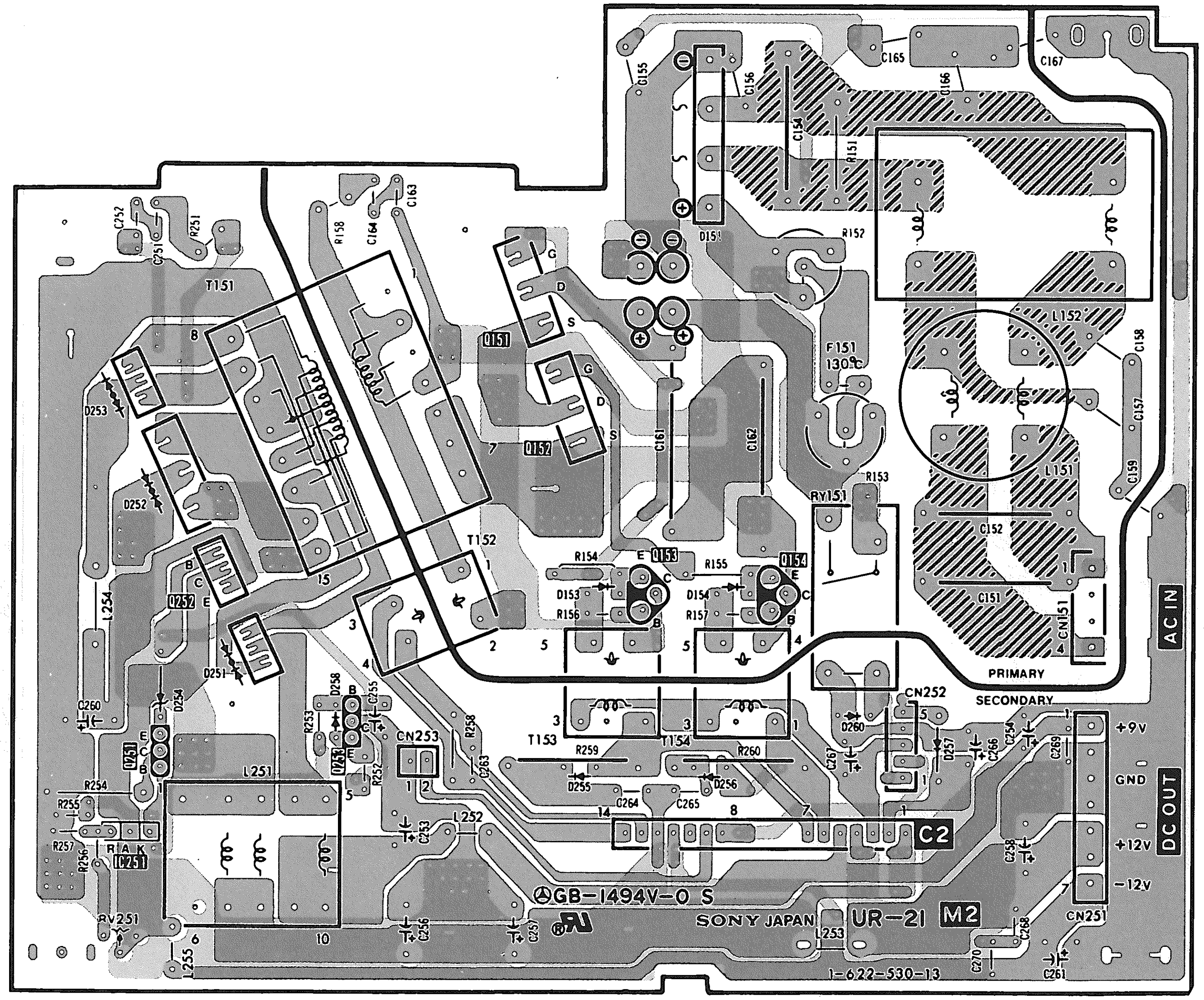
C2 —SOLDERING SIDE—
1-622-532-21(1)
BVU-950
BVU-950P

UR-21; SWITCHING REGULATOR
C1
C2
M1
M2

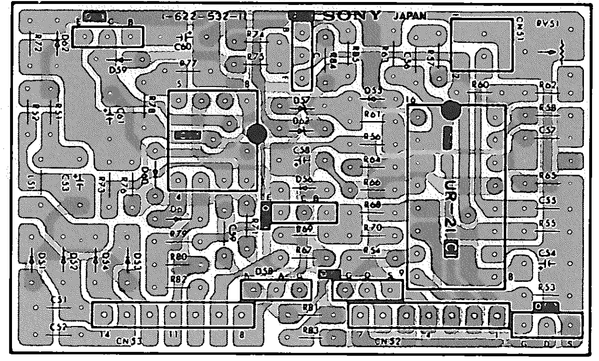
S/N 10756 AND HIGHER (J)
S/N 13691 AND HIGHER (UC)



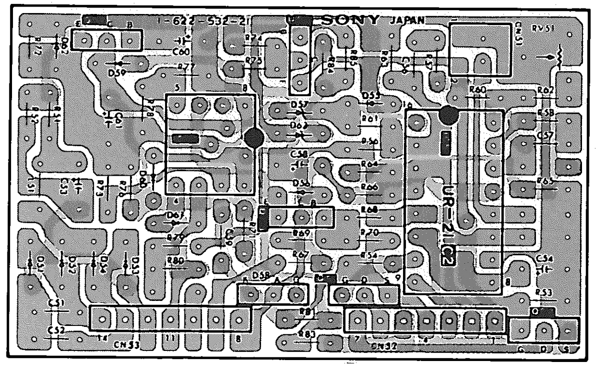
M1 —SOLDERING SIDE—
1-622-531-12(1)
BVU-950
BVU-950P



M2 —SOLDERING SIDE—
1-622-530-12(1)
BVU-950
BVU-950P



C1 —SOLDERING SIDE—
1-622-532-11(1)
BVU-950
BVU-950P



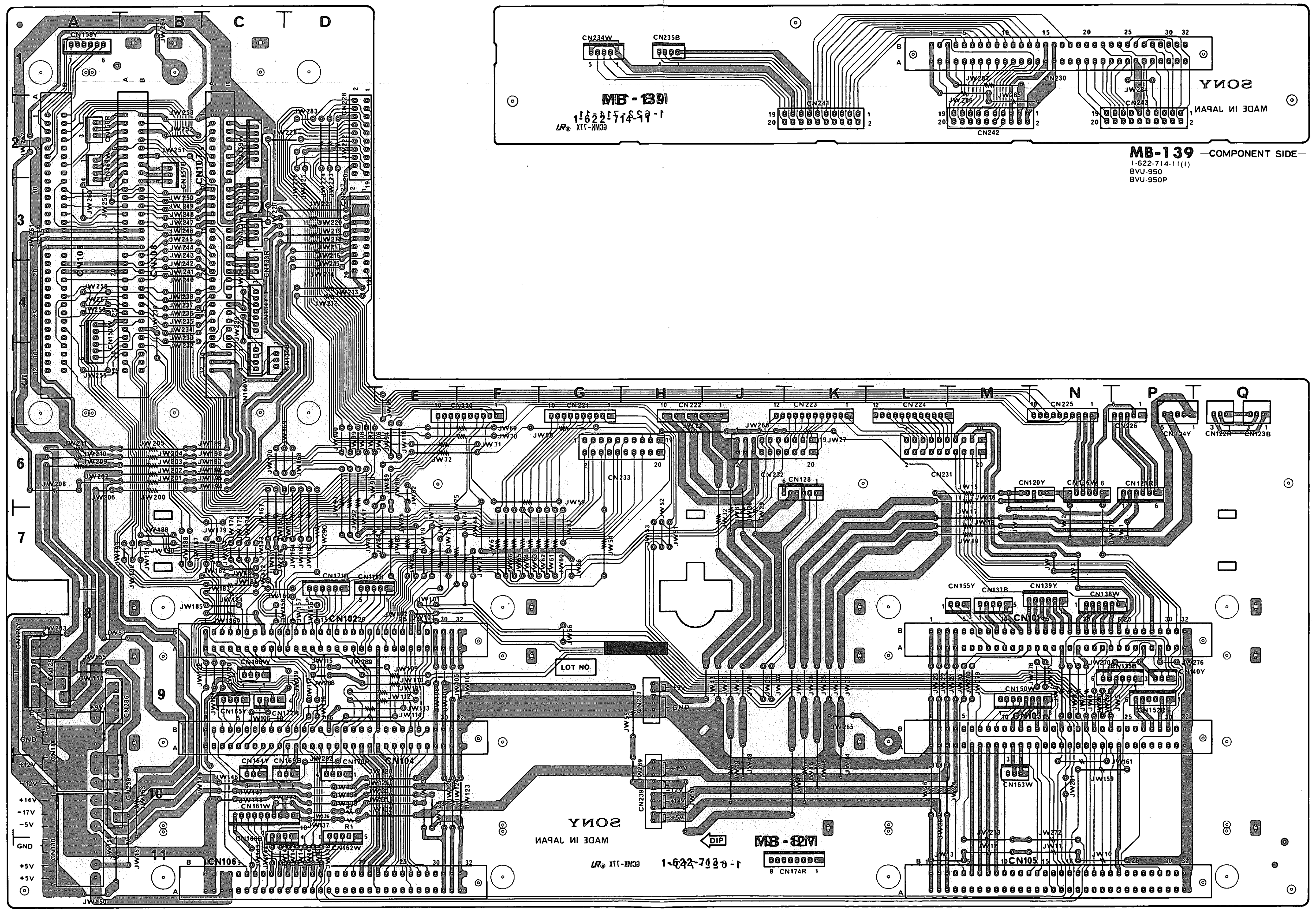
C2 —SOLDERING SIDE—
1-622-532-21(1)
BVU-950
BVU-950P

MB-127; MOTHER BOARD
MB-139; SUB MOTHER FOR TC

S/N UP TO 10120(J)
S/N UP TO 11180(UC)

MB-127 (1-622-713-11, 12)

CN101	N-8	CN226	P-5
CN102	D-8	CN227	D-3
CN103	N-9	CN228	D-2
CN104	D-9	CN231	L-6
CN105	N-11	CN232	J-6
CN106	C-11	CN233	H-6
CN107	C-2	CN236	A-9
CN108	B-3	CN237	H-9
CN109	A-3	CN238	A-10
CN110	A-11	CN239	H-10
CN111	A-9		
CN120	N-6		
CN121	P-6		
CN122	Q-5		
CN123	Q-5		
CN124	P-5		
CN126	A-8		
CN128	K-6		
CN129	A-9		
CN130	C-5		
CN131	C-3		
CN132	C-3		
CN133	C-4		
CN134	C-4		
CN135	P-9		
CN136	N-6		
CN137	M-8		
CN138	N-8		
CN139	N-8		
CN140	P-9		
CN150	M-9		
CN152	P-9		
CN153	A-4		
CN155	M-8		
CN156	A-2		
CN157	B-2		
CN158	A-1		
CN159	C-2		
CN160	C-5		
CN161	C-10		
CN162	D-11		
CN163	M-10		
CN164	C-10		
CN165	C-9		
CN166	D-11		
CN167	A-2		
CN168	C-9		
CN169	D-10		
CN170	D-10		
CN171	D-7		
CN172	C-9		
CN174	K-11		
CN175	D-7		
CN220	F-5		
CN221	G-5		
CN222	H-5		
CN223	K-5		
CN224	L-5		
CN225	N-5		



MB-139 —COMPONENT SIDE—
1-622-714-11(1)
BVU-950
BVU-950P

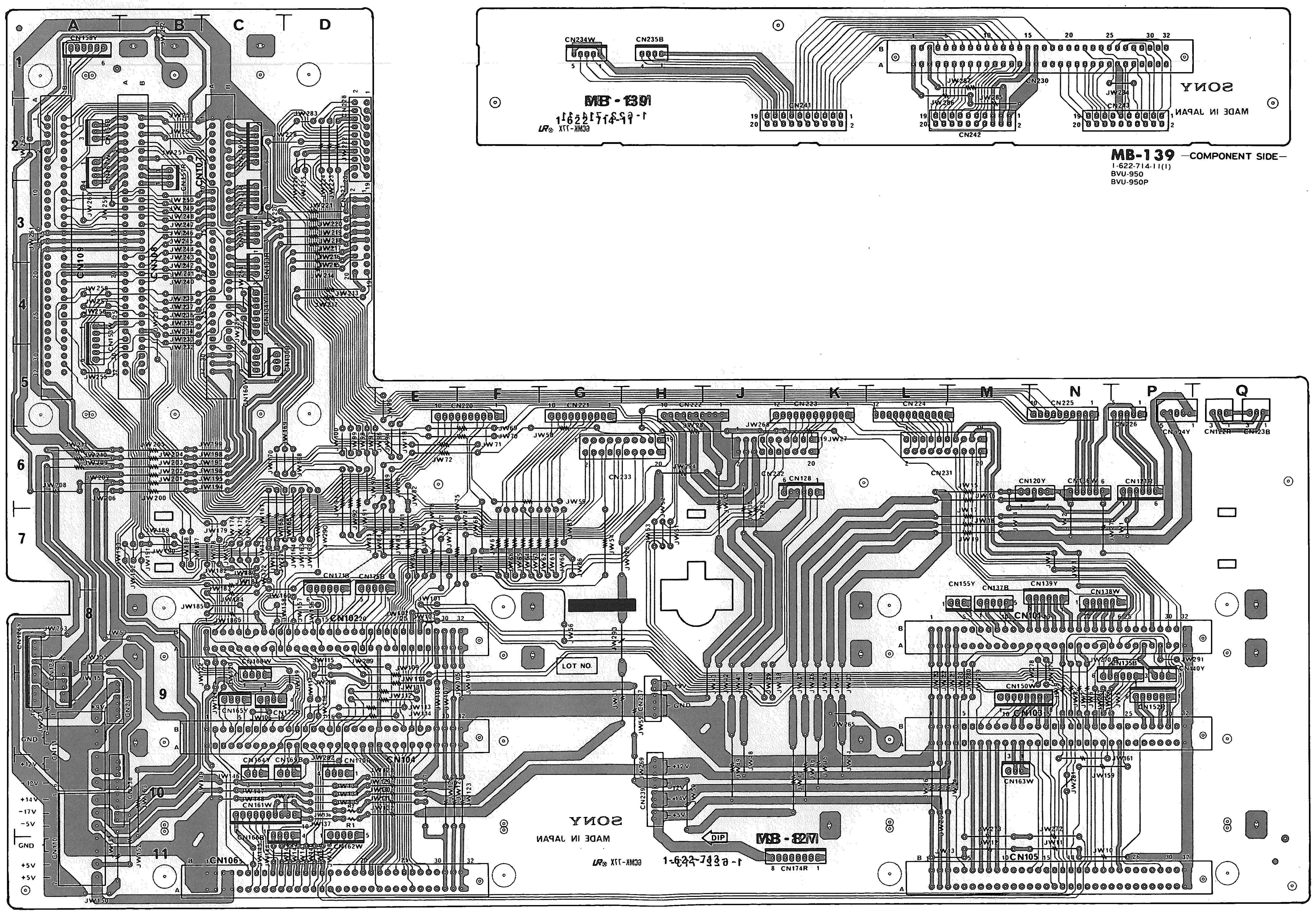
MB-127 —COMPONENT SIDE—
1-622-713-11, 12(2)
BVU-950
BVU-950P

MB-127; MOTHER BOARD
MB-139; SUB MOTHER FOR TC

S/N 10121 TO 10260(J)
S/N 11181 TO 12590(UC)

MB-127 (1-622-713-13, 14)

CN101	N-8
CN102	D-8
CN103	N-9
CN104	D-9
CN105	N-11
CN106	C-11
CN107	C-2
CN108	B-3
CN109	A-3
CN110	A-11
CN111	A-9
CN120	N-6
CN121	P-6
CN122	Q-5
CN123	Q-5
CN124	P-5
CN126	A-8
CN128	K-6
CN129	A-9
CN130	C-5
CN131	C-3
CN132	C-3
CN133	C-4
CN134	C-4
CN135	P-9
CN136	N-6
CN137	M-8
CN138	N-8
CN139	N-8
CN140	P-9
CN150	M-9
CN152	P-9
CN153	A-4
CN155	M-8
CN156	A-2
CN157	B-2
CN158	A-1
CN159	C-2
CN160	C-5
CN161	C-10
CN162	D-11
CN163	M-10
CN164	C-10
CN165	C-9
CN166	D-11
CN167	A-2
CN168	C-9
CN169	D-10
CN170	D-10
CN171	D-7
CN172	C-9
CN174	K-11
CN175	D-7
CN220	F-5
CN221	G-5
CN222	H-5
CN223	K-5
CN224	L-5
CN225	N-5
CN226	P-5
CN227	D-3
CN228	D-2
CN231	L-6
CN232	J-6
CN233	H-6
CN236	A-9
CN237	H-9
CN238	A-10
CN239	H-10



MB-139 —COMPONENT SIDE—
1-622-714-11(1)
BVU-950
BVU-950P

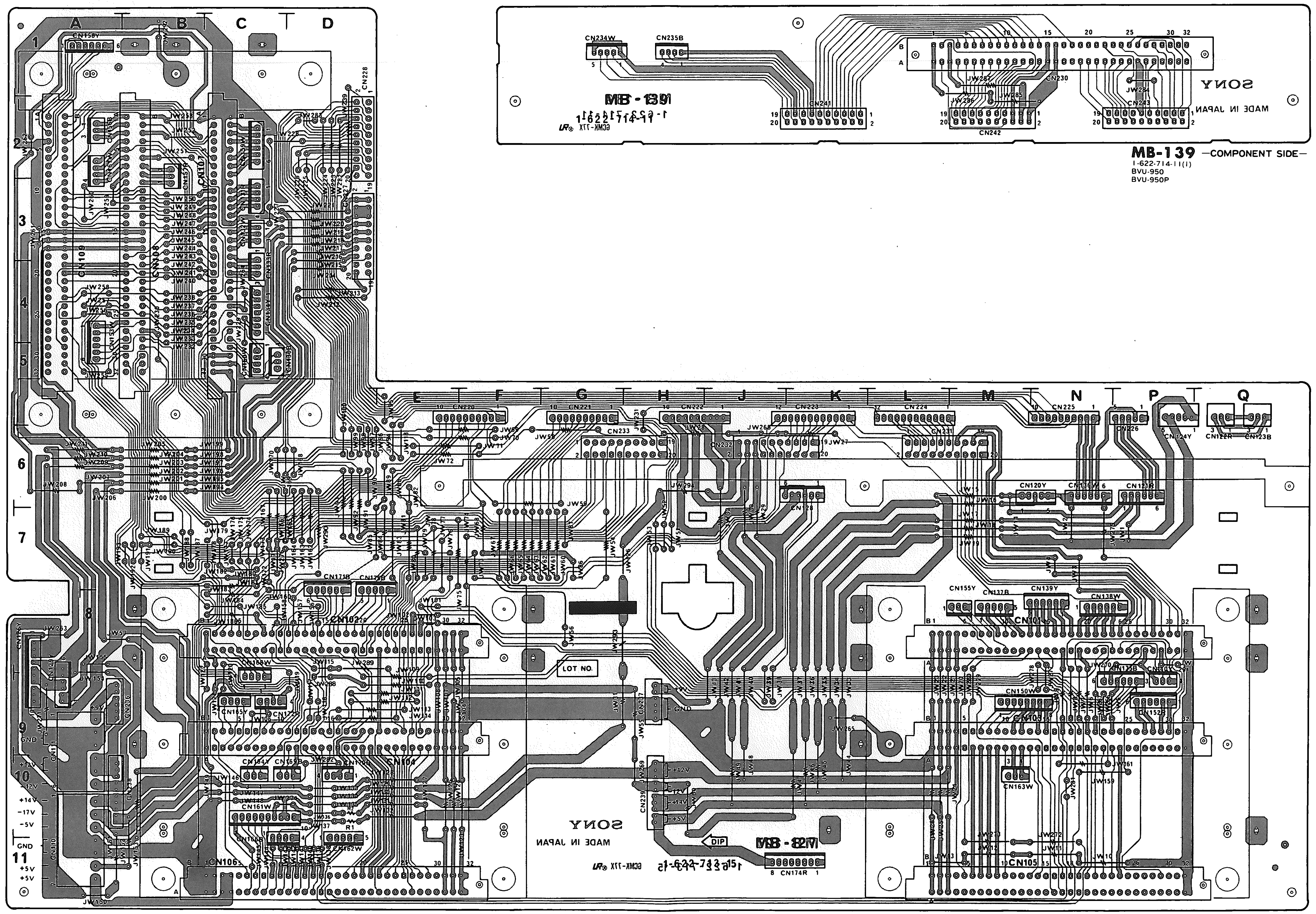
MB-127 —COMPONENT SIDE—
1-622-713-13, 14(2)
BVU-950
BVU-950P

MB-127; MOTHER BOARD
MB-139; SUB MOTHER FOR TC

S/N 10261 AND HIGHER(J)
S/N 12591 AND HIGHER(UC)

MB-127 (1-622-713-15)

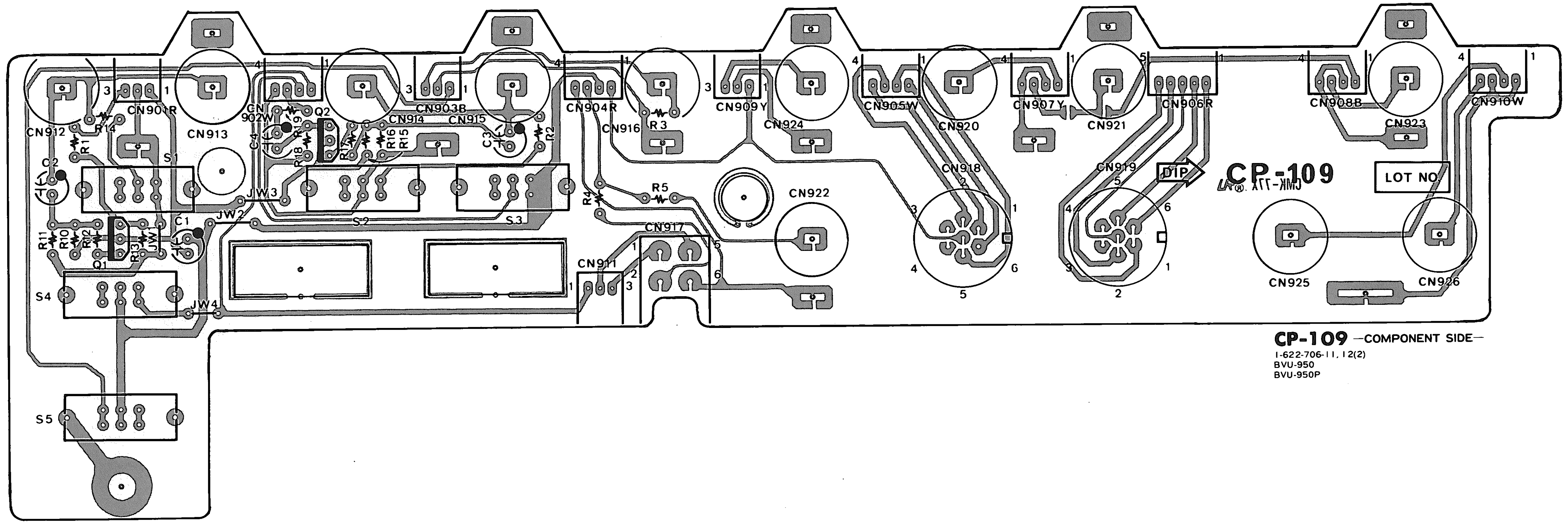
CN101	N-8
CN102	D-8
CN103	N-9
CN104	D-9
CN105	N-11
CN106	C-11
CN107	C-2
CN108	B-3
CN109	A-3
CN110	A-11
CN111	A-9
CN120	N-6
CN121	P-6
CN122	Q-5
CN123	Q-5
CN124	P-5
CN126	A-8
CN128	K-6
CN129	A-9
CN130	C-5
CN131	C-3
CN132	C-3
CN133	C-4
CN134	C-4
CN135	P-9
CN136	N-6
CN137	M-8
CN138	N-8
CN139	N-8
CN140	P-9
CN150	M-9
CN152	P-9
CN153	A-4
CN155	M-8
CN156	A-2
CN157	B-2
CN158	A-1
CN159	C-2
CN160	C-5
CN161	C-10
CN162	D-11
CN163	M-10
CN164	C-10
CN165	C-9
CN166	D-11
CN167	A-2
CN168	C-9
CN169	D-10
CN170	D-10
CN171	D-7
CN172	C-9
CN174	K-11
CN175	D-7
CN220	F-5
CN221	G-5
CN222	H-5
CN223	K-5
CN224	L-5
CN225	N-5
CN226	P-5
CN227	D-3
CN228	D-2
CN231	L-6
CN232	J-6
CN233	H-6
CN236	A-9
CN237	H-9
CN238	A-10
CN239	H-10



MB-139 —COMPONENT SIDE—
1-622-714-11(1)
BVU-950
BVU-950P

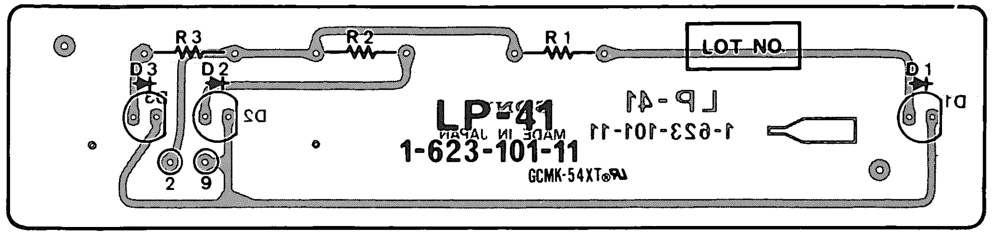
MB-127 —COMPONENT SIDE—
1-622-734-15(1)
BVU-950
BVU-950P

CP-109; CONNECTOR PANEL

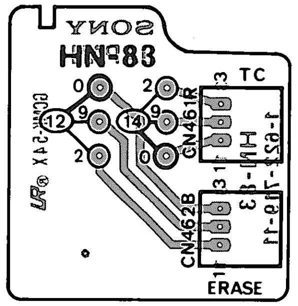


CP-109 —COMPONENT SIDE—
1-622-706-11, 12(2)
BVU-950
BVU-950P

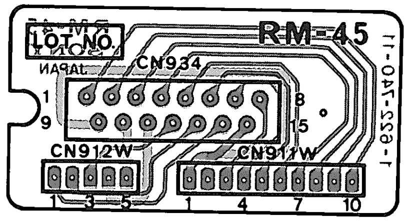
HN-83;	RELAY BOARD FOR TIME CODE HEAD/ERASE HEAD
LP-41;	CASSETTE COMPARTMENT LIGHT
RM-45;	TBC REMOTE CONTROL



LP-41 —COMPONENT SIDE—
1-623-101-11(1)
BVU-950
BVU-950P

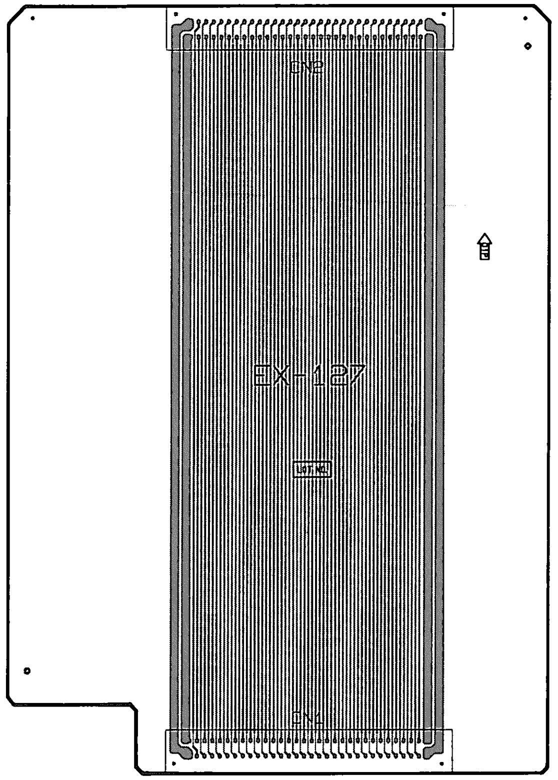


HN-83 —COMPONENT SIDE—
1-622-719-11(1)
BVU-950
BVU-950P

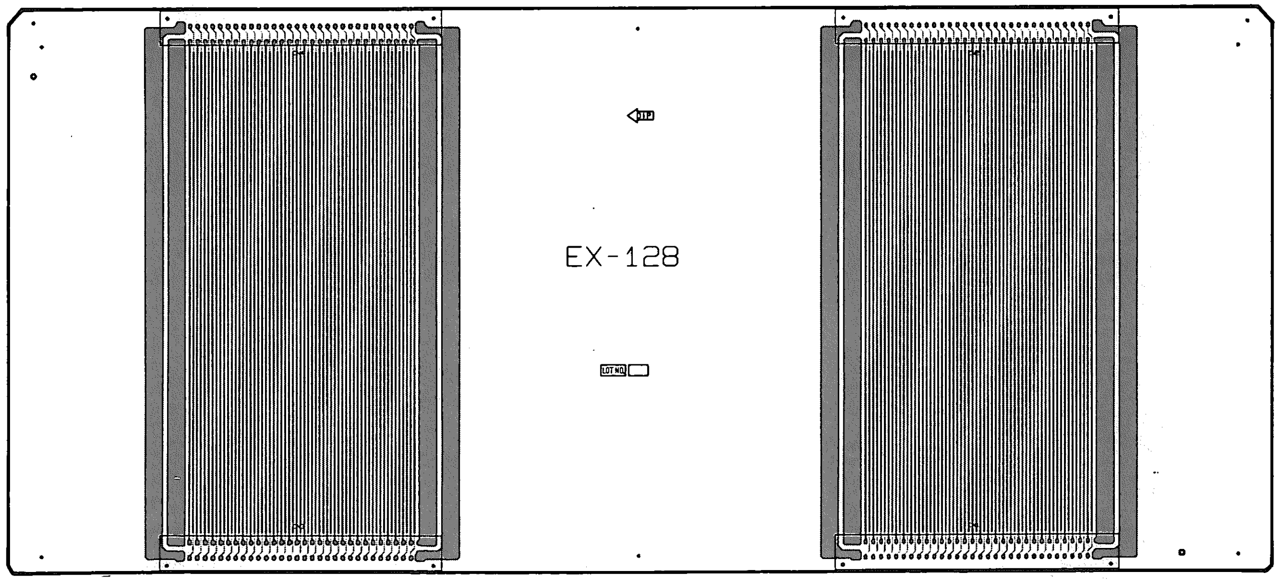


RM-45 —COMPONENT SIDE—
1-622-740-11(1)
BVU-950
BVU-950P

EX-127; EXTENSION BOARD FOR AUDIO/TIME CODE
EX-128; EXTENSION BOARD FOR VIDEO/SERVO/TBC



EX-127 —COMPONENT SIDE—
1-622-711-11(1)
BVU-950
BVU-950P



EX-128 —COMPONENT SIDE—
1-622-712-11(1)
BVU-950
BVU-950P

SECTION 18
SPARE PARTS AND FIXTURE

18-1. PARTS INFORMATION

(1) The shaded and ⚠ -marked components are critical to safety.
Replace only with same components as specified.

(2) Replacement Parts supplied from the Sony Parts Center will sometimes have a different shape from the original parts. This is due to "improved parts and/or engineering changes" or "standardization of genuine parts".
This manual's exploded views and electrical spare parts list indicate the part numbers of "the standardized genuine parts at the present". Regarding engineering part changes by the engineering department, refer to Sony service bulletins and service manual supplements.

(3) The parts marked with "s" in the SP column of the exploded views and electrical spare parts lists are normally stocked for replacement purposes. The parts marked with "o" in the SP column are not normally required for routine service work. Orders for parts marked with "o" will be processed, but allow for additional delivery time.

(4) Items with no part number and/or no description are not stocked because they are seldom required for routine service.

(5) (T) after a spring description is shown on the exploded views in order to indicate the number of spring turns required for the use. (Example)
Spring, tension (24T); This spring must be cut at its 24th turn for actual use.

PARTS CHANGE INFORMATION

.In this parts list, **) marked parts are design-changed.

.Apricable Serial No. are as follows:

1) Marked parts are for
Serial No. up to 10020 (For J).
Serial No. up to 10080 (For UC).

2) Marked parts are for
Serial No. 10021 and higher (For J).
Serial No. 10081 and higher (For UC).

3) Marked parts are for
Serial No. up to 10020 (For J).
Serial No. up to 10380 (For UC).

4) Marked parts are for
Serial No. 10021 and higher (For J).
Serial No. 10381 and higher (For UC).

5) Marked parts are for
Serial No. up to 10120 (For J).
Serial No. up to 11180 (For UC).

6) Marked parts are for
Serial No. 10121 and higher (For J).
Serial No. 11181 and higher (For UC).

7) Marked parts are for
Serial No. up to 10220 (For J).
Serial NO. up to 11680 (For UC).

8) Marked parts are for
Serial NO. 10221 and higher (For J).
Serial No. 11681 and higher (For UC).

9) Marked parts are for
Serial No. up to 12240 (For UC).

10)Marked parts are for
Serial No. 12241 and higher (For UC).

11)Marked parts are for
Serial No. up to 10260 (For J).
Serial No. up to 12590 (For UC).

12)Marked parts are for
Serial No. 10261 and higher (For J).
Serial No. 12591 and higher (For UC).

13)Marked parts are for
Serial No. up to 11025 (For J).
Serial No. up to 14740 (For UC).

14)Marked parts are for
Serial No. 11026 and higher (For J).
Serial No. 14741 and higher (For UC).

15)Marked parts are for
Serial No. up to 11175 (For J).
Serial No. up to 14940 (For UC).

16)Marked parts are for
Serial No. 11176 and higher (For J).
Serial No. 14941 and higher (For UC).

17)Marked parts are for
Serial No. up to 11325 (For J).
Serial No. up to 15290 (For UC).

18)Marked parts are for
Serial No. 11326 and higher (For J).
Serial No. 15291 and higher (For UC).

19)Marked parts are for
Serial No. up to 11325 (For J).
Serial No. up to 15640 (For UC).

20)Marked parts are for
Serial No. 11326 and higher (For J).
Serial No. 15641 and higher (For UC).

21)Marked parts are for
Serial No. up to 11375 (For J).
Serial No. up to 15490 (For UC).

22)Marked parts are for
Serial No. 11376 and higher (For J).
Serial No. 15491 and higher (For UC).

23)Marked parts are for
Serial No. up to 11375 (For J).
Serial No. up to 15640 (For UC).

24)Marked parts are for
Serial No. 11376 and higher (For J).
Serial No. 15641 and higher (For UC).

25)Marked parts are for
Serial No. up to 11445 (For J).
Serial No. up to 15740 (For UC).

26)Marked parts are for
Serial No. 11446 and higher (For J).
Serial No. 15741 and higher (For UC).

27)Marked parts are for
Serial No. up to 11445 (For J).
Serial No. up to 15865 (For UC).

28)Marked parts are for
Serial No. 11446 and higher (For J).
Serial No. 15866 and higher (For UC).

29)Marked parts are for
Serial No. up to 11445 (For J).
Serial No. up to 15965 (For UC).

30)Marked parts are for
Serial No. 11446 and higher (For J).
Serial No. 15966 and higher (For UC).

31)Marked parts are for
Serial No. up to 11495 (For J).
Serial No. up to 16325 (For UC).

32)Marked parts are for
Serial No. 11496 and higher (For J).
Serial No. 16326 and higher (For UC).

33)Marked parts are for
Serial No. up to 11565 (For J).
Serial No. up to 16475 (For UC).

34)Marked parts are for
Serial No. 11566 and higher (For J).
Serial No. 16476 and higher (For UC).

35)Marked parts are for
Serial No. up to 11595 (For J).
Serial No. up to 16585 (For UC).

36)Marked parts are for
Serial No. 11596 and higher (For J).
Serial No. 16586 and higher (For UC).

37)Marked parts are for
Serial No. up to 11665 (For J).
Serial No. up to 16875 (For UC).

38)Marked parts are for
Serial No. 11666 and higher (For J).
Serial No. 16876 and higher (For UC).

39)Marked parts are for
Serial No. up to 11665 (For J).
Serial No. up to 16975 (For UC).

40)Marked parts are for
Serial No. 11666 and higher (For J).
Serial No. 16976 and higher (For UC).

41)Marked parts are for
Serial No. up to 11735 (For J).
Serial No. up to 17115 (For UC).

42)Marked parts are for
Serial No. 11736 and higher (For J).
Serial No. 17116 and higher (For UC).

43)Marked parts are for
Serial No. up to 11735 (For J).
Serial No. up to 17255 (For UC).

44)Marked parts are for
Serial No. 11736 and higher (For J).
Serial No. 17256 and higher (For UC).

45)Marked parts are for
Serial No. up to 11785 (For J).
Serial No. up to 17350 (For UC).

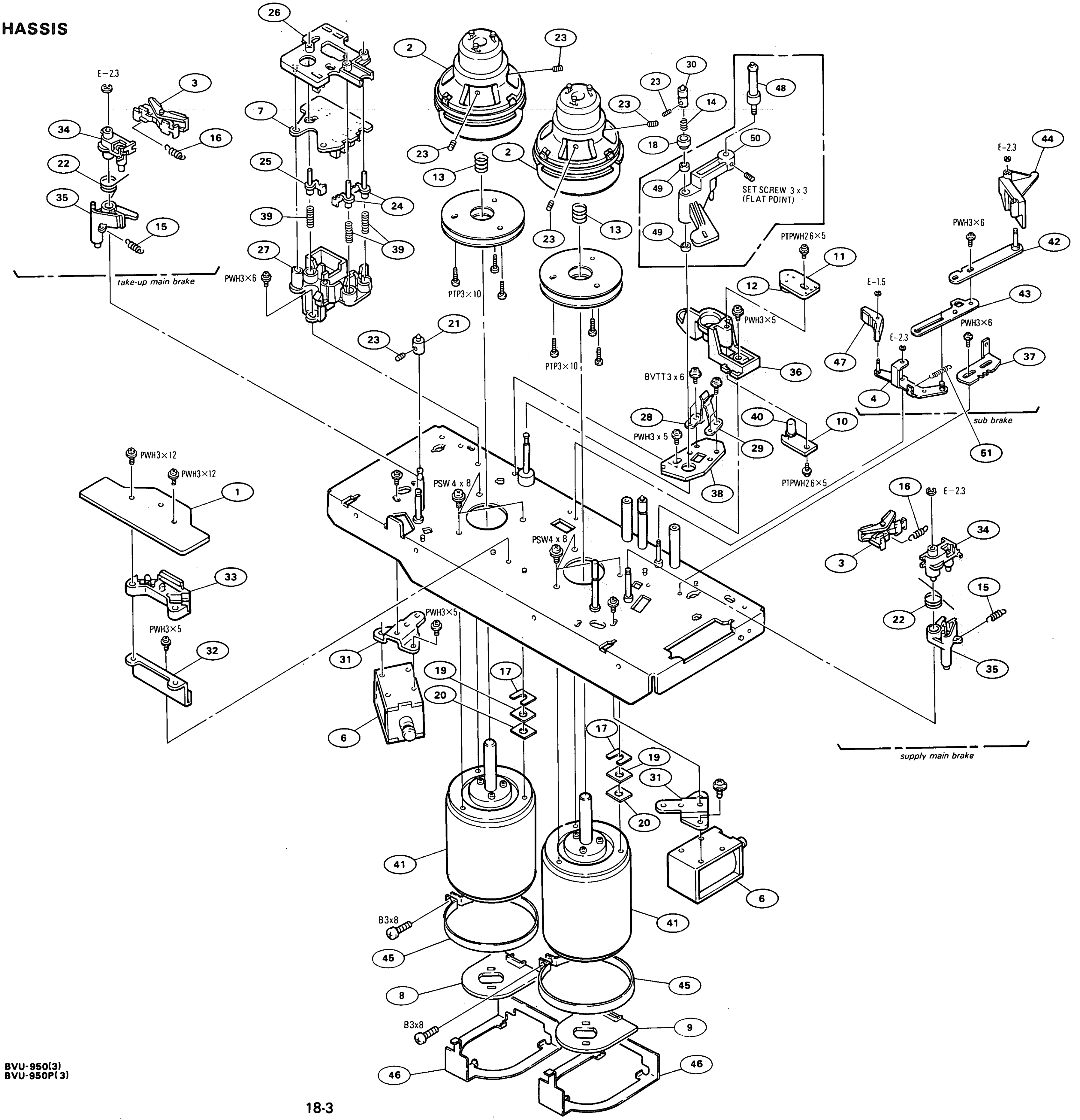
46)Marked parts are for
Serial No. 11786 and higher (For J).
Serial No. 17351 and higher (For UC).

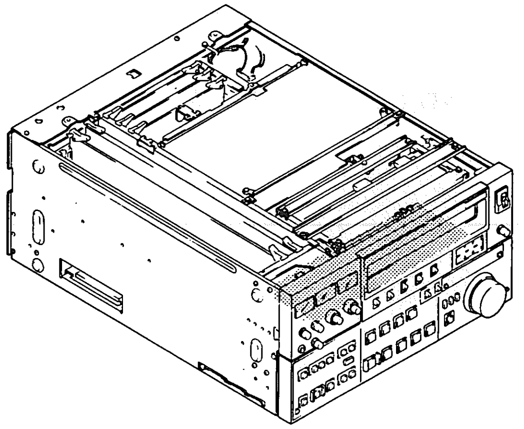
18-2. EXPLODED VIEW

- Exploded vews are composed of the following blocks.

(1) Reel Chassis
  supply reel table
  take-up reel table
  supply main brake
  take-up main brake
  sub brake
  take-up tension detector
  TRC detector
  reel motors
  reel table rotaiton detector
(2) Threading Ring Block
  threading ring
  gear box
  T correction guide
  tape beginning sensor
  FR detector
(3) Thrading Arm
  T drawer arm
  S drawer arm
  S drawer roller
  drawer lever
(4) Drum and Capstan Blocks
  head drum
  capstan motor
  audio/ CTL head
  tape guides
(5) Erase Head Base
  erase head base
  S guard
  supply tension detector
(6) Pinch Lever and Pinch Solenoid Blocks
  pinch lever
  pinch roller pre-set cam
  pinch solenoid
(7) Cassette-up Compartment Block
(8) Function Control
  function control board
  search dial
(9) Level Control
  level control board
  level meter
  power sw
(10) Chassis Block (Rear)
  printed circuit boards
(11) Chassis Block (Left)
  printed circuit boards
  left side panel
(12) Chassis Block (Right)
  printed circuit boards
(13) Chassis Block (Bottom)
  printed circuit boards
(14) Chassis Block (Front)
  TBC control board
  cassette-up compartment stay
(15) Connector Panel
(16) Rear Panel
  fan motor
  AC inlet
  remote connector
(17) Switching Regulator
(18) Ornamental Panel (1)
  function control panel
  search dial
(19) Ornamental Panel (2)
  level control panel
(20) Ornamental Panel (3)
  U case
  bottom plate

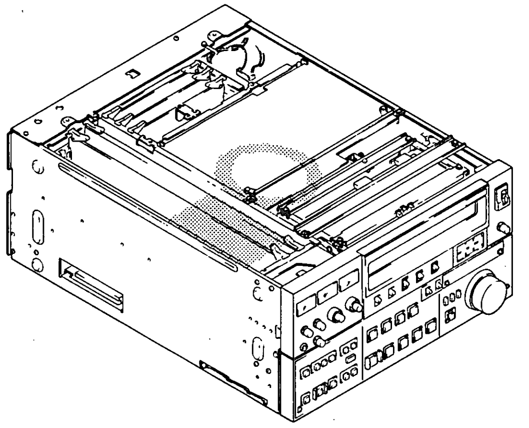
1. REEL CHASSIS

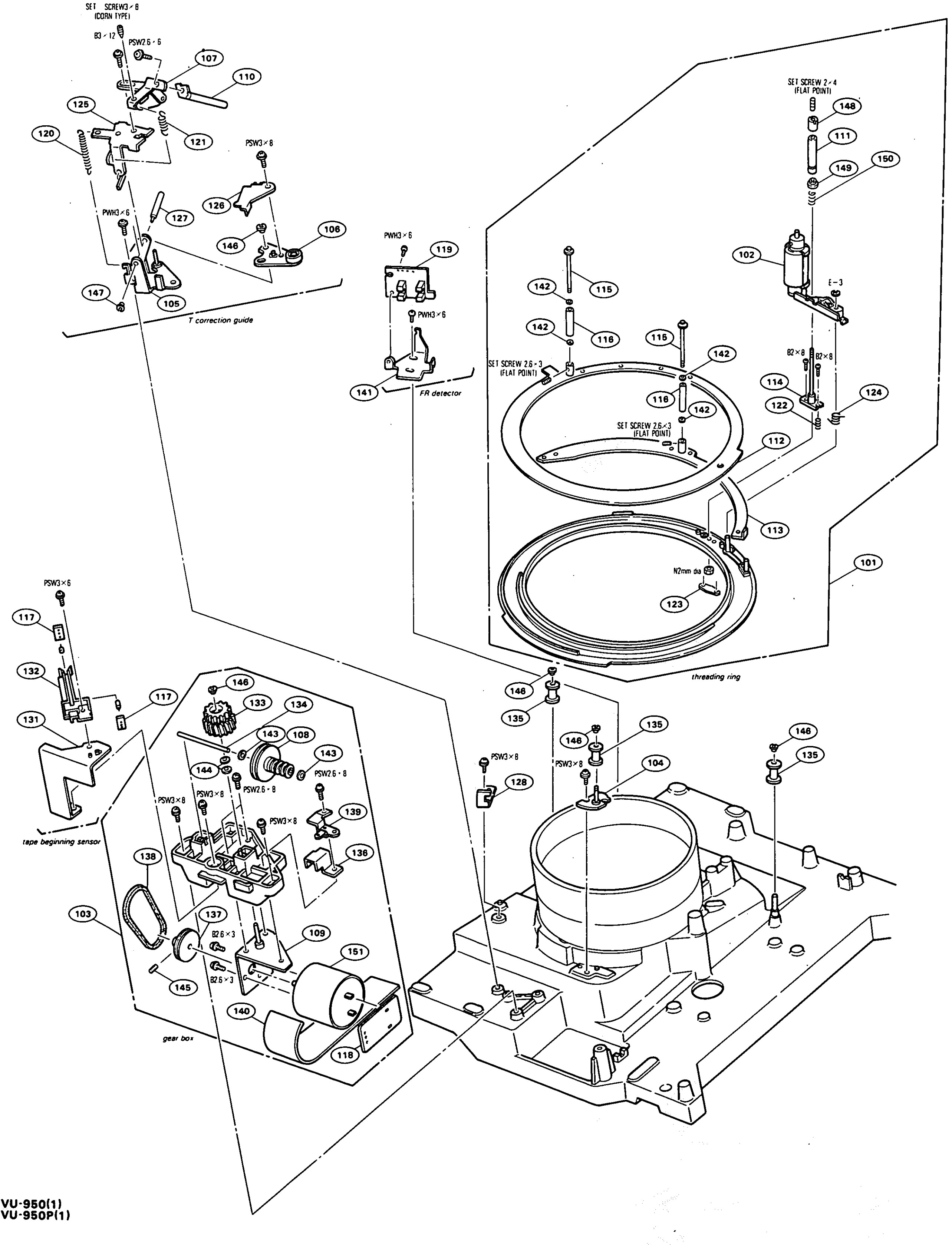




No.	Parts No.	SP	Description
1	A-6729-496-A	o	MOUNTED CIRCUIT BOARD,SE-48
2	A-6739-080-A	s	TABLE ASS'Y, REEL
3	X-3668-749-0	s	HOLDER ASS'Y, LINING
4	X-3718-628-1	o	ARM ASS'Y, SUB BRAKE
5	A-6706-994-A	s	ARM BLOCK ASSY, T SENSOR
⚠6	1-454-417-31	s	SOLENOID, PLUNGER
7	1-622-260-11	o	RINTED CIRCUIT BOARD, PTC-30
8	1-622-715-11	o	RINTED CIRCUIT BOARD, DUS-177
9	1-622-716-11	o	RINTED CIRCUIT BOARD, DUS-178
10	1-622-717-11	o	RINTED CIRCUIT BOARD, LE-54
11	1-622-718-11	o	RINTED CIRCUIT BOARD, PTC-29
12	1-806-232-21	s	DETECTOR MB-1102/S.N
13	2-083-308-00	s	SPRING, (B)
14	3-307-932-00	s	SPRING, COMPRESSION
15	3-535-369-XX	s	SPRING, TENSION (12T)
16	3-548-124-00	s	SPRING, TENSION
17	3-630-035-11	s	SPACER, REEL MOTOR (0.02T)
18	3-650-512-00	s	COLLAR, (A)
19	3-651-203-11	s	SPACER, REEL MOTOR (0.05T)
20	3-651-203-21	s	SPACER, REEL MOTOR (0.1T)
21	3-668-031-00	o	RETAINER (UPPER), CASSETTE
22	3-668-966-00	s	SPRING
23	3-701-506-01	s	SET SCREW, DOUBLE POINT 3X4
24	3-718-307-01	s	ACTUATOR, TRC
25	3-718-307-11	s	ACTUATOR, TRC
26	3-718-342-01	o	TRC BOX (UPPER)
27	3-718-343-01	o	TRC BOX (LOWER)
28	3-718-629-03	o	SPRING (1), LEAF, T
29	3-718-630-03	o	SPRING (2), LEAF, T
30	3-718-660-01	o	RETAINER (TF), CASSETTE
31	3-718-673-01	o	SUSPENDER, BS
32	3-718-686-01	o	STAND, B
33	3-718-700-01	o	HOLDER, DME
34	3-718-712-01	o	ARM, BRAKE
35	3-718-713-01	o	ARM, BRAKE RELEASE
36	3-718-741-01	s	HOLDER, T-CDS
37	3-718-767-01	o	SCALE, POWER
38	3-718-770-02	o	BASE, T SPRING
39	4-858-779-00	s	SPRING, COMPRESSION
40	8-719-930-20	s	DIODE HLMP-1302
41	8-835-255-01	s	MOTOR, DC R432278181A
42	X-3718-629-1	o	RINK ASS'Y, BRAKE RELEASE
43	3-718-764-01	o	RINK (A), BRAKE RELEASE
44	3-718-766-01	o	ARM, DRIVING
45	3-718-795-01	o	BAND,M
46	3-718-796-01	o	HOLDER, M PC BOARD
47	X-3718-641-1	s	LINING ASS'Y
48	A-6046-063-A	s	ROLLER BLOCK ASS'Y, G
49	3-698-217-01	s	BEARING (NO FLANGE), BALL
50	3-718-779-01	s	ARM, T SENSOR
51	3-642-753-00	s	SPRING, TENSION

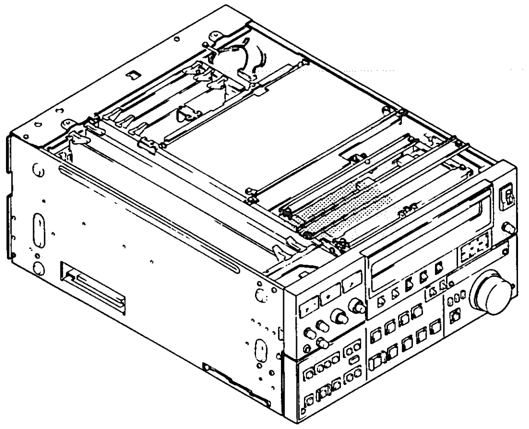
2. THREADING RING BLOCK

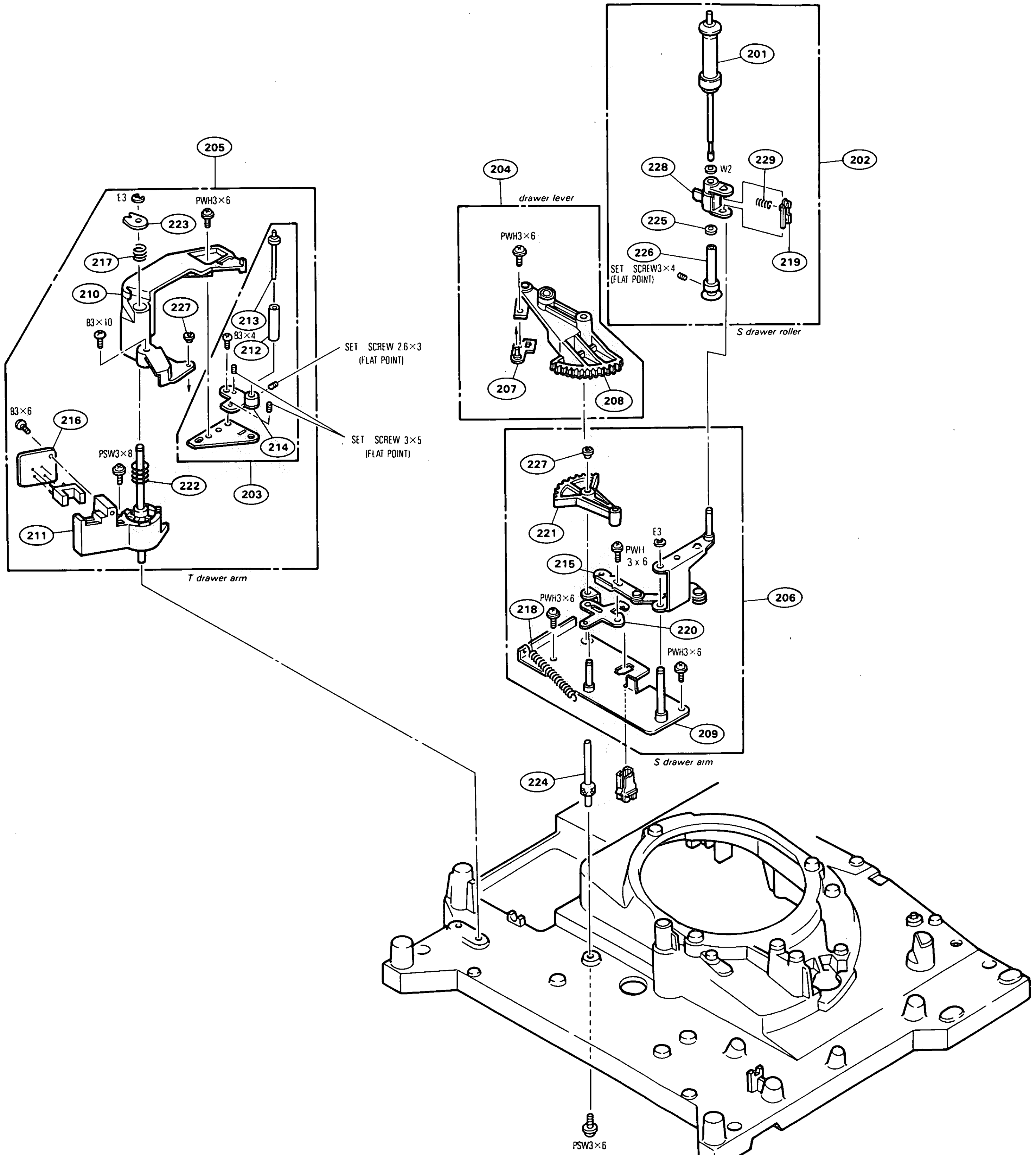




No.	Parts No.	SP	Description
101	A-6750-222-A	s	RING BLOCK ASS'Y, MAIN
102	A-6750-223-A	s	PINCH ROLLER BLOCK ASS'Y
103	A-6750-224-A	s	BOX BLOCK ASS'Y, GEAR
104	X-3668-719-0	o	ROLLER ASS'Y, RING
105	X-3668-721-0	o	CHASSIS ASS'Y, GUIDE
106	X-3668-722-0	s	LOCKER ASS'Y, FR
107	X-3668-723-2	o	ARM ASS'Y, GUIDE, T CORRECTION
108	X-3668-743-0	s	PULLY ASS'Y, WORM
109	X-3672-704-1	o	BRACKET ASS'Y, MOTOR
110	X-3672-718-2	s	SHAFT ASS'Y, GUIDE
111	X-3718-602-1	s	ROLLER ASS'Y, GUIDE PRECEDING
112	X-3718-604-1	o	RING (UPPER) ASS'Y, SUB
113	X-3718-605-1	o	RING (LOWER) ASS'Y, SUB
114	X-3718-606-1	o	BASE ASS'Y, PRECEDING
115	X-3718-607-1	s	SHAFT ASS'Y, RG
116	X-3718-614-1	s	GUIDE ASS'Y, TAPE
117	1-603-737-00	o	PRINTED CIRCUIT BOARD, PH-5
118	1-618-600-11	o	PRINTED CIRCUIT BOARD, LM-13
119	1-622-258-11	o	PRINTED CIRCUIT BOARD, PTC-33
120	3-143-067-00	s	SPRING, TENSION
121	3-437-289-00	s	SPRING, TENSION
122	3-634-196-00	s	SPRING
123	3-668-743-00	o	NUT, PLATE, ROLLER, PRECEDING
124	3-668-745-00	s	SPRING
125	3-668-749-02	o	ARM (A), GUIDE, T CORRCTION
126	3-668-753-00	o	PLATE, ADJUSTMENT, FR, LOCKER
127	3-668-754-00	o	SHAFT, GUIDE ARM, T CORRECTION
128	3-668-755-00	o	PLATE, STOPPER, SR
131	3-668-900-00	o	BRACKET, T SENSOR
132	3-668-901-00	o	HOLDER, T PHOTO
133	3-668-947-00	s	PINION, L
134	3-668-948-00	o	SHAFT, WORM
135	3-668-963-03	s	ROLLER, RING
136	3-669-960-00	o	RETAINER, SHAFT
137	3-672-736-01	s	PULLEY, LM
138	3-672-737-01	s	BELT, SQUARE
139	3-672-738-01	o	PLATE, GROUND, SLED
140	3-672-739-01	o	BELT, LM SHIELD
141	3-672-790-01	o	BRACKET, FR DETECTION
142	3-701-437-11	s	WASHER, POLY 2 MM DIA., 0.25T
143	3-701-437-21	s	WASHER, POLY 2 MM DIA., 0.5T
144	3-701-439-21	s	WASHER, POLY 2 MM DIA., 0.5T
145	3-701-506-01	s	SET SCREW, DOUBLE POINT 3X4
146	3-703-074-00	s	CAP 3, SHAFT
147	3-703-075-00	s	CAP 2, SHAFT
148	3-718-633-01	s	FLANGE, UPPER, PRECEDING GUIDE
149	3-718-634-01	s	FLANGE, LOWER, PRECEDING GUIDE
150	3-838-774-00	o	SPRING
151	1-541-376-11	s	MOTOR, DC (DNR-4700A)

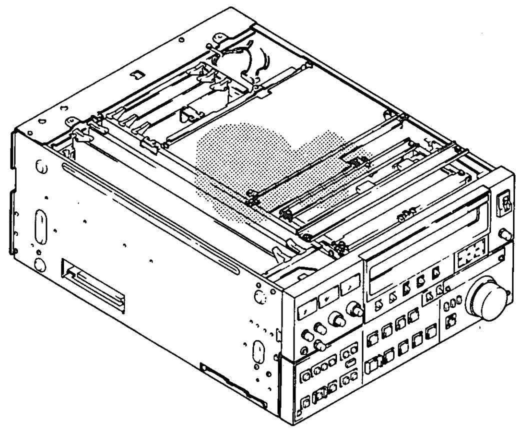
3. THREADING ARM

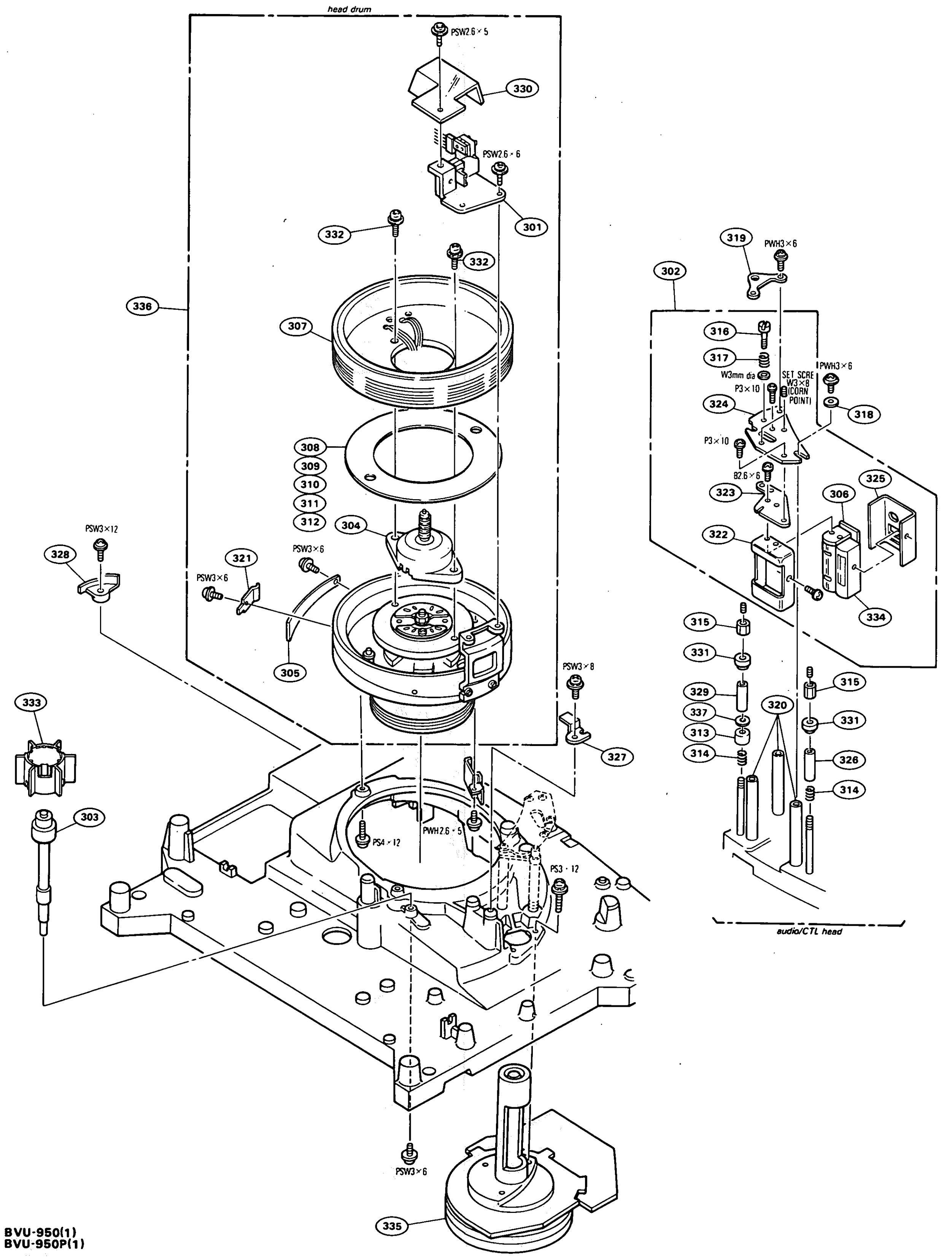




No.	Parts No.	SP	Description
201	A-6746-025-A	s	ROLLER BLOCK ASS'Y (1). S DRAWER
202	A-6746-050-C	s	ROLLER BLOCK ASS'Y. DRAWER, S
203	A-6746-051-A	s	ROLLER BLOCK ASS'Y, GUIDE. T
204	A-6750-202-A	o	LEVER BLOCK ASS'Y, DRAWER
205	A-6750-221-A	o	ARM BLOCK ASS'Y. DRAWER, T
206	A-6750-225-F	o	ARM BLOCK ASS'Y, DRAWER, S
207	X-3668-713-0	o	LINK (B) ASS'Y, DRIVING
208	X-3668-729-0	s	LEVER ASS'Y, DRAWER
209	X-3672-706-1	o	BASE ASS'Y, S DRAWER ARM
210	X-3672-708-1	o	ARM ASS'Y. T DRAWER
211	X-3718-305-1	o	RETAINER ASS'Y. ARM, T DRAWER
212	X-3718-603-1	s	ROLLER ASS'Y, GUIDE. RG
213	X-3718-610-1	s	SHAFT ASS'Y, DRAWER GUIDE
214	X-3718-612-1	o	GUIDE ASS'Y. T
215	X-3718-615-3	o	ARM ASS'Y. DRAWER, S
216	1-622-259-11	o	PRINTED CIRCUIT BOARD, PTC-34
217	3-534-854-00	s	SPRING, COMPRESSION
218	3-540-506-00	s	SPRING, TENSION
219	3-668-718-00	s	RETAINER, SPRING. S DRAWER
220	3-734-304-01	o	LIMITER. S DRAWER
221	3-668-721-00	s	ARM, S DRIVING
222	3-668-734-00	o	SPRING
223	3-668-735-00	s	RETAINER, SPRING
224	3-668-760-02	o	SHAFT, DRAWER LEVER
225	3-669-946-00	s	RING (P4), O
226	3-669-974-00	s	HOLDEER (L), S GUIDE
227	3-703-074-00	s	CAP 3, SHAFT
228	3-718-701-02	s	HOLDER (M), S GUIDE
229	3-718-773-01	s	SPRING, COMPRESSION

4. DRUM AND CAPSTAN BLOCKS

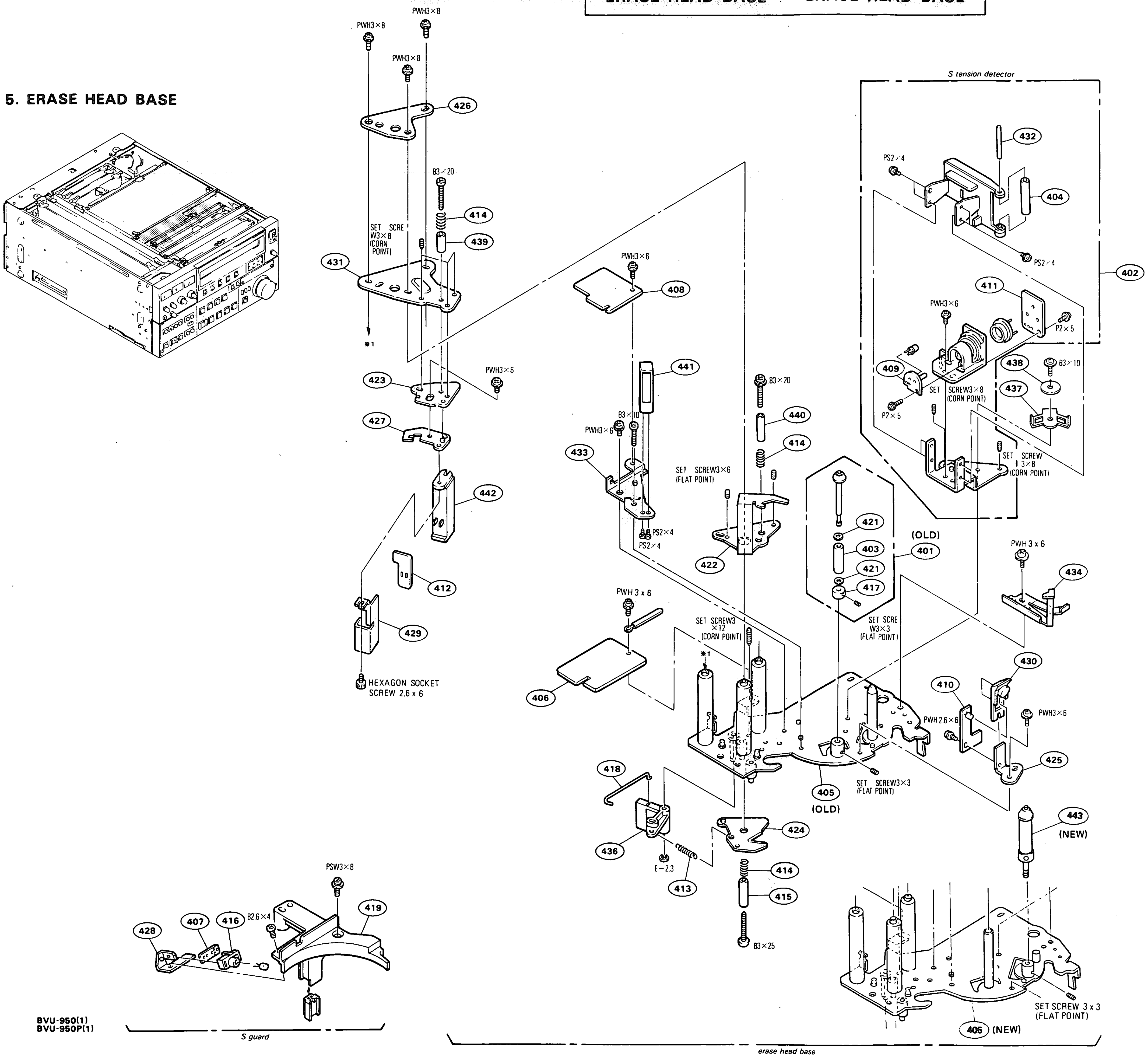




BVU-950(1)
BVU-950P(1)

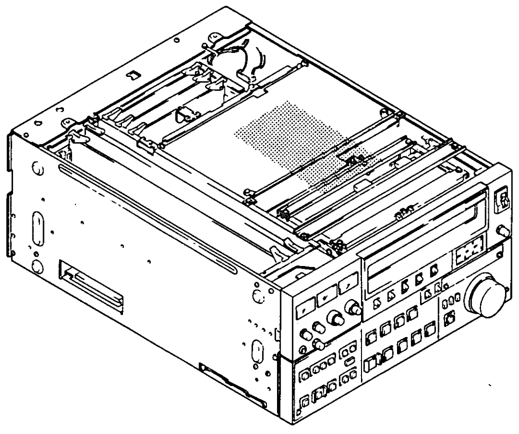
No.	Parts No.	SP	Description
301	A-6709-619-A	s	BRUSH ASS'Y
302	A-6736-071-B	o	HEAD BLOCK ASS'Y, AUDIO
303	A-6746-054-A	s	ROLLER ASS'Y, GUIDE, TAPE
304	X-3685-017-1	s	RING ASS'Y, SLIP
305	1-586-633-00	s	DETECTOR, DEW
306	1-615-924-11	o	PRINTED CIRCUIT BOARD, DUS-92
307	A-6709-615-A	s	UPPER DRUM ASS'Y, DUR-43-R (For UC, J)
	A-6709-617-A	s	UPPER DRUM ASS'Y, DUR-44-R (For EK)
308	3-630-029-01	s	SPACER, FLANGE (0.01T)
309	3-630-029-11	s	SPACER, FLANGE (0.02T)
310	3-630-029-21	s	SPACER, FLANGE (0.05T)
311	3-630-029-31	s	SPACER, FLANGE (0.1T)
312	3-630-029-41	s	SPACER, FLANGE (0.03T)
313	3-641-612-00	s	GUIDE, TAPE
314	3-641-615-00	s	SPRING, COMPRESSION
315	3-641-616-00	s	NUT, TAPE GUIDE ADJUSTMENT
316	3-641-621-00	o	SCREW, HEAD ADJUSTMENT
317	3-641-622-00	s	SPRING, COMPRESSION
318	3-645-076-00	o	WASHER, M-REEL S
319	3-647-815-00	o	PLATE, ADJUSTMENT, CTL HEAD
320	3-647-816-00	o	POLE, SUPPORT, CTL BRACKET
321	3-655-631-00	o	TERMINAL, GROUND
322	3-655-675-02	o	CASE (F), AU
323	3-655-676-01	o	BRACKET (A), CTL HEAD
324	3-655-677-01	o	BRACKET (B), CTL HEAD
325	3-655-678-03	o	CASE (B), AU
326	3-672-978-02	s	GUIDE (B), TAPE
327	3-672-762-01	o	PIN, DRUM
328	3-672-763-01	o	CAM, P OFFSET PREVENTION
329	3-672-731-01	s	TG-4 UC:S/N UP TO 13690 J:S/N UP TO 11025 EK:S/N UP TO 12930
	3-718-388-01	s	TAPE GUIDE (TG-4N) UC:S/N 13691 AND HIGHER J:S/N 11026 AND HIGHER EK:S/N 12931 AND HIGHER
330	3-685-048-01	o	COVER, BRUSH
331	3-688-807-01	s	FLANGE, TAPE GUIDE
332	3-703-467-00	s	SCREW
333	3-718-758-01	s	DAMPER, AIR
334	8-825-578-22	s	HEAD, ACE (EPS264-5803)
335	8-835-258-02	s	MOTOR, DC BHF-1915B
336	A-6709-614-A	s	HEAD DRUM ASS'Y, DUH-43A-R (For UC, J)
	A-6709-616-A	s	HEAD DRUM ASS'Y, DUH-44A-R (For EK)
337	3-534-329-11	s	WASHER, TAPE GUIDE UC:S/N UP TO 13690 J:S/N UP TO 11025 EK:S/N UP TO 12930

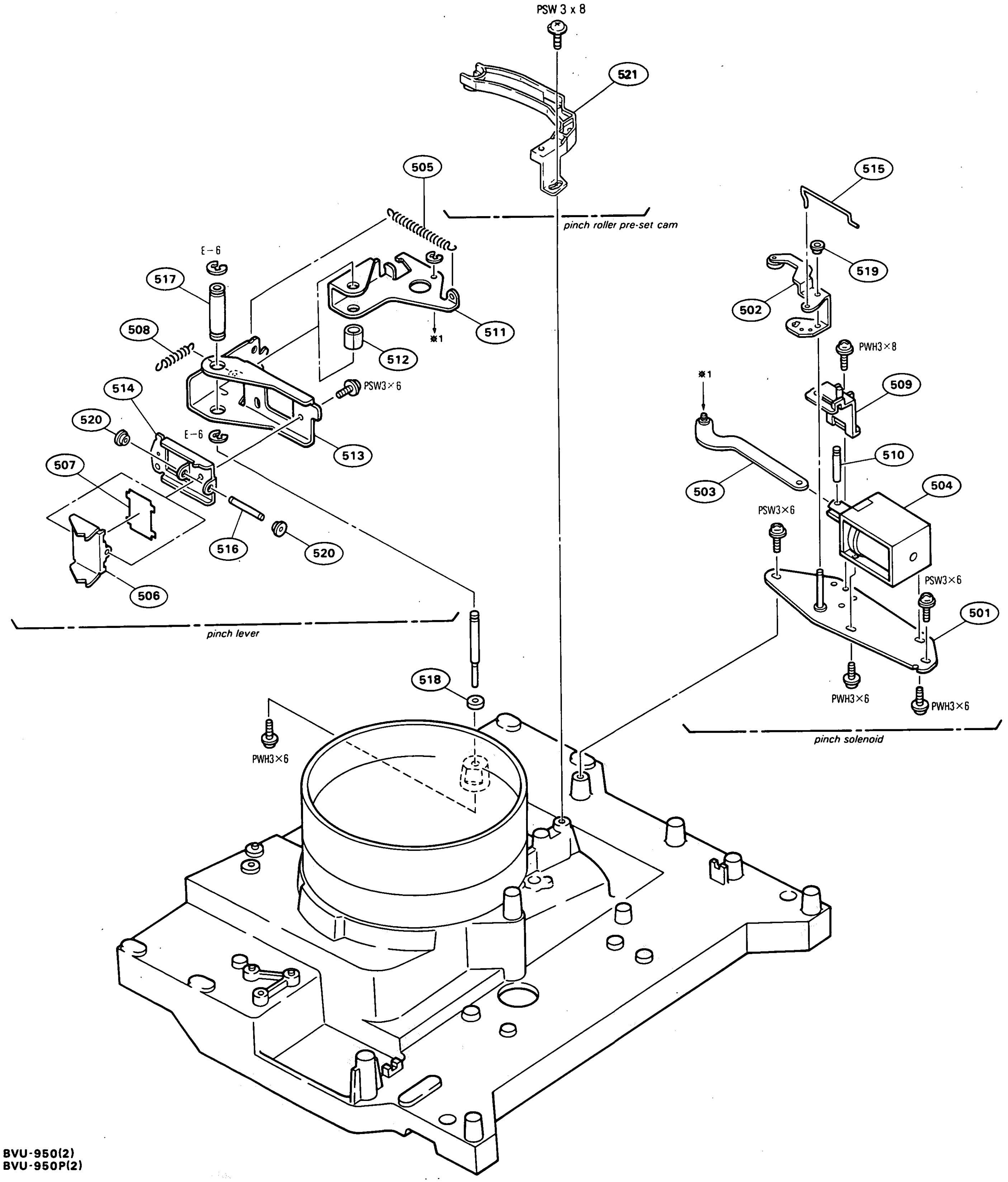
5. ERASE HEAD BASE



No.	Parts No.	SP	Description
401	A-6046-060-A	s	ROLLER BLOCK ASS'Y, G UC : S/N UP TO 13190 J : S/N UP TO 10360 EK : S/N UP TO 12080
402	A-6742-063-B	s	S-T (D) BLOCK ASS'Y
403	X-3668-727-0	o	GUIDE ASS'Y, TAPE
404	X-3718-611-1	s	ROLLER ASS'Y, TD
405	X-3718-621-1	o	BASE ASS'Y, EN UC : S/N UP TO 13190 J : S/N UP TO 10360 EK : S/N UP TO 12080
	X-3718-621-2	o	BASE ASS'Y, EN UC : S/N 13191 AND HIGHER J : S/N 10361 AND HIGHER EK : S/N 12081 AND HIGHER
406	1-622-261-11	o	PRINTED CIRCUIT BOARD, DUS-47
407	1-603-737-00	o	PRINTED CIRCUIT BOARD, PH-5
408	1-622-719-11	o	PRINTED CIRCUIT BOARD, HN-83
409	1-622-720-11	o	PRINTED CIRCUIT BOARD, LE-53
410	1-622-721-11	o	PRINTED CIRCUIT BOARD, PTC-26
411	1-622-722-11	o	PRINTED CIRCUIT BOARD, PTC-28
412	1-622-726-11	o	PRINTED CIRCUIT BOARD, HN-84
413	3-535-531-00	s	SPRING, TEISION
414	3-637-335-00	s	SPRING, COMPRESSION (C)
415	3-657-086-00	o	SPACER (3X20)
416	3-668-837-00	o	HOLDER, LED
417	3-668-874-00	s	FLANGE (1), LOWER
418	3-668-884-03	o	JOINT, RESERVE PRESS
419	3-672-764-03	s	GUARD,S
421	3-701-438-11	s	WASHER, POLY 2.5 MM DIA., 0.25T
422	3-718-622-01	s	HOLDER (UPPER), S
423	3-718-623-01	o	PLATE, TC
424	3-718-624-01	s	HOLDER (LOWER), S
425	3-718-639-01	o	BASE, S SENSOR
426	3-718-641-01	o	PLATE, ADJUSTMENT, Y
427	3-718-644-01	o	PLATE, BLANCE
428	3-718-645-01	o	BRACKET, HOLDER
429	3-718-646-02	o	SHIELD, TC HEAD
430	3-718-647-01	o	HOLDER, S SENSOR
431	3-718-649-01	o	PLATE, Y
432	3-718-674-01	o	SHAFT, TD ROLLER
433	3-718-676-01	o	BASE, E HEAD
434	3-718-722-01	o	PLATE, GROUND
436	3-718-766-01	o	ARM, DRIVING
437	3-718-769-01	o	SPRING
438	4-302-315-00	o	WASHER
439	4-855-006-01	s	SPACER (3X12)
440	4-855-006-11	s	SPACER (3X14)
441	8-825-544-20	s	HEAD, ERASE
442	8-825-771-31	s	HEAD, TIME CODE, PP295-58
443	A-6046-063-A	s	ROLLER BLOCK ASS'Y, G UC : S/N 13191 AND HIGHER J : S/N 10361 AND HIGHER EK : S/N 12081 AND HIGHER

6. PINCH LEVER AND PINCH SOLENOID BLOCKS

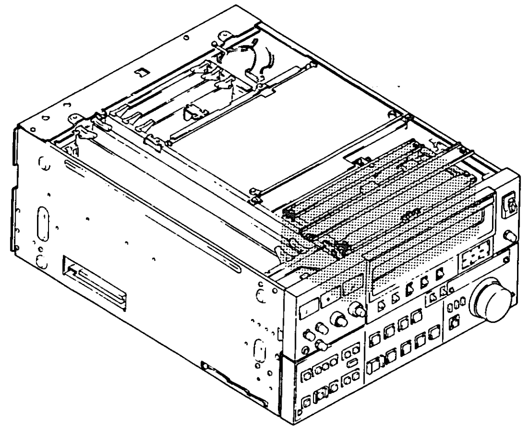


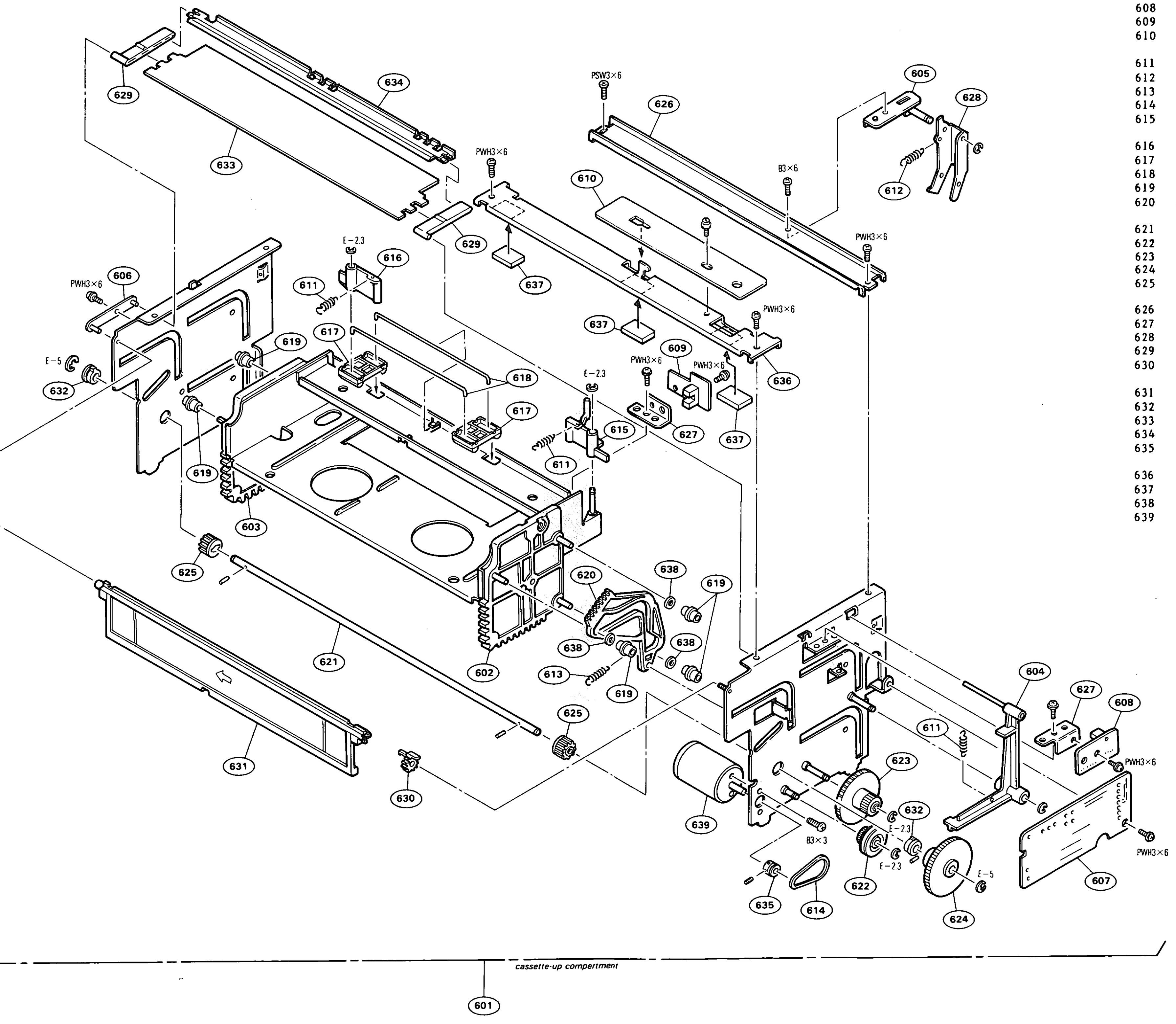


No.	Parts No.	SP	Description
501	X-3668-734-0	o	BASE ASS'Y, PINCH PRESS
502	X-3668-735-3	s	LEVER ASS'Y, RESERVE PRESS
503	X-3668-736-0	o	JOINT ASS'Y
⚠504	1-454-416-31	s	SOLENOID, PLUNGER
505	3-610-265-02	s	SPRING
506	3-642-518-00	o	LEVER, PINCH
507	3-642-519-00	o	SPRING
508	3-645-392-00	s	SPRING, TENSION
509	3-668-863-00	s	GUIDE, ARBOR
510	3-668-864-00	s	PIN, SOLENOID
511	3-668-865-00	o	LEVER (B), PINCH PRESS
512	3-668-867-00	o	SPACER (8X9)
513	3-668-868-00	o	LEVER (A), PINCH PRESS
514	3-668-883-00	o	PLATE, ADJUSTMENT, PINCH PRESS
515	3-668-884-03	o	JOINT, RESERVE PRESS
516	3-668-895-00	o	SHAFT
517	3-668-896-00	o	SLEEVE, PRESS LEVER, PINCH
518	3-672-733-01	o	TABLE SHAFT, PRESS LEVER
519	3-703-074-00	s	CAP 3, SHAFT
520	3-703-075-00	s	CAP 2, SHAFT
521	3-718-427-02	o	DECK, RESERVE PRESS

7. CASSETTE-UP COMPARTMENT BLOCK

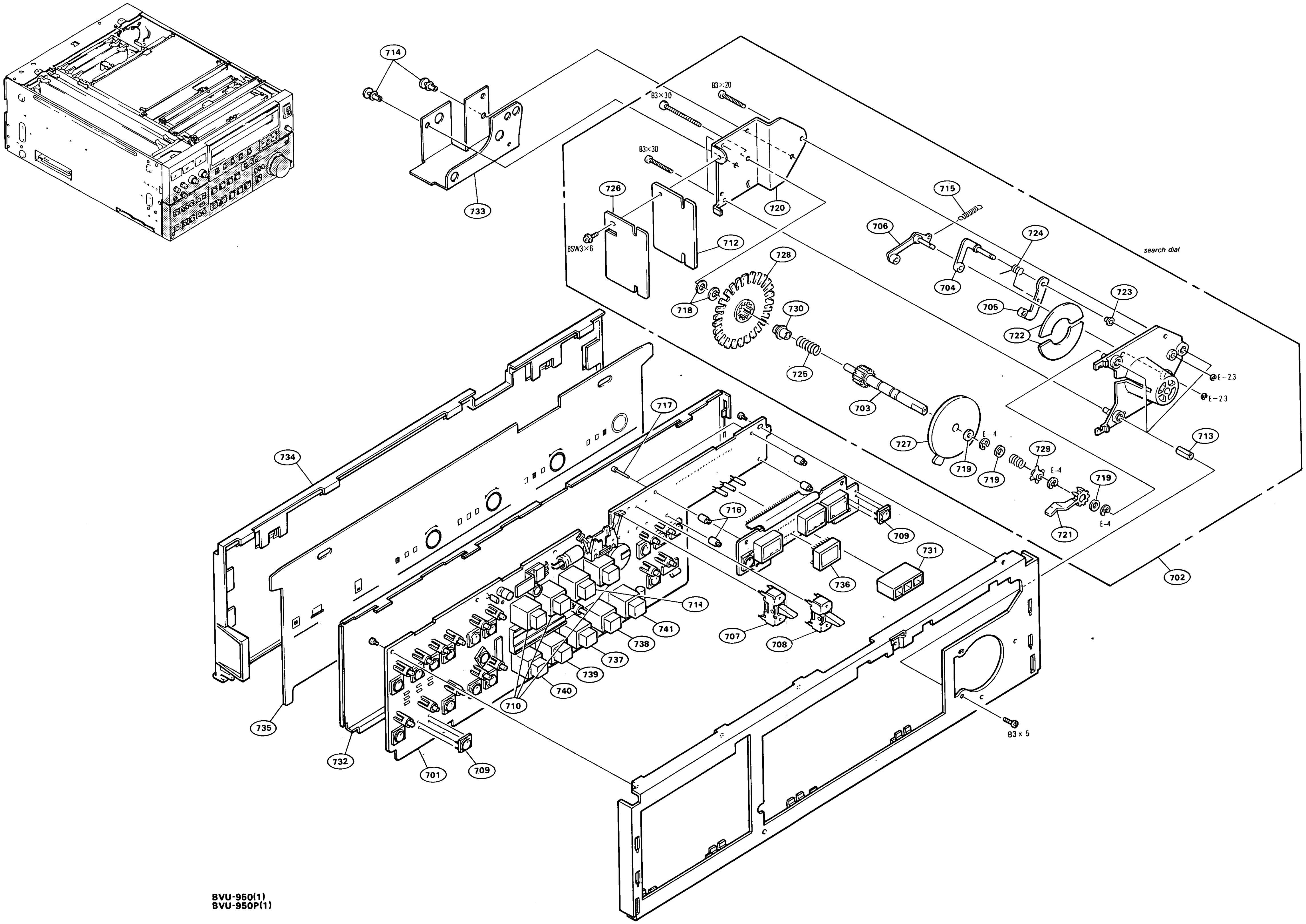
S/N UP TO 13940 (UC)
S/N UP TO 11025 (J)
S/N UP TO 13680 (EK)
S/N UP TO 10045 (BRZ)





No.	Parts No.	SP	Description
601	A-6751-367-A	s	CASSETTE-UP BLOCK ASS'Y
602	X-3668-057-0	s	RACK ASS'Y, CASSETTE COMPERTMENT
603	X-3668-058-0	s	RACK ASS'Y, CASSETTE COMPERTMENT
604	X-3668-059-0	s	ARM ASS'Y, SWITCH, DOWN
605	X-3668-060-3	o	HOLDER ASS'Y, ARM
606	X-3668-061-0	o	RUPPORT ASS'Y, LID
607	1-622-255-11	o	PRINTED CIRCUIT BOARD, CC-31
608	1-622-256-11	o	PRINTED CIRCUIT BOARD, CC-32
609	1-622-257-11	o	PRINTED CIRCUIT BOARD, CC-33
610	1-623-101-11	o	PRINTED CIRCUIT BOARD, LP-41
611	3-507-051-00	s	SPRING, TENSION
612	3-534-217-11	s	SPRING, TENSION
613	3-536-780-11	s	SPRING, TENSION
614	3-653-387-00	s	BELT, LM
615	3-668-295-00	o	LEVER (RIGHT), CASSETTE PUSH-OUT
616	3-668-296-00	o	LEVER (LEFT), CASSETTE PUSH-OUT
617	3-668-297-00	s	RETAINER, CASSETTE
618	3-668-298-02	o	SPRING
619	3-668-299-00	s	ROLLER, GUIDE
620	3-668-300-00	o	CAM, LID OPEN
621	3-668-301-00	o	SHAFT, DRIVING
622	3-668-303-00	s	GEAR (A)
623	3-668-304-00	s	GEAR (B)
624	3-668-305-00	s	GEAR (C)
625	3-668-306-00	s	GEAR (D)
626	3-668-307-02	o	JOINT (R), LEFT & RIGHT
627	3-668-309-00	o	BRACKET, SWITCH
628	3-668-310-02	o	ARM, LID OPEN
629	3-668-313-02	s	FRAME, SUPPORT, REFLECTOR
630	3-668-315-02	s	GEAR, LID
631	3-668-371-11	s	LID, CASSEETTE
632	3-668-474-00	s	BEARING (6)
633	3-672-604-11	s	REFLECTOR
634	3-672-639-03	s	BRACKET, LAMP
635	3-672-750-01	s	PULLEY (C), MOTOR
636	3-718-374-01	o	JOINT (F), LEFT & RIGHT
637	3-718-373-01	o	RETAINER, LID
638	3-701-439-21	s	WASHER, POLY 3 MM DIA., 0.5T
639	8-835-179-01	s	MOTOR, DC MCB2B15

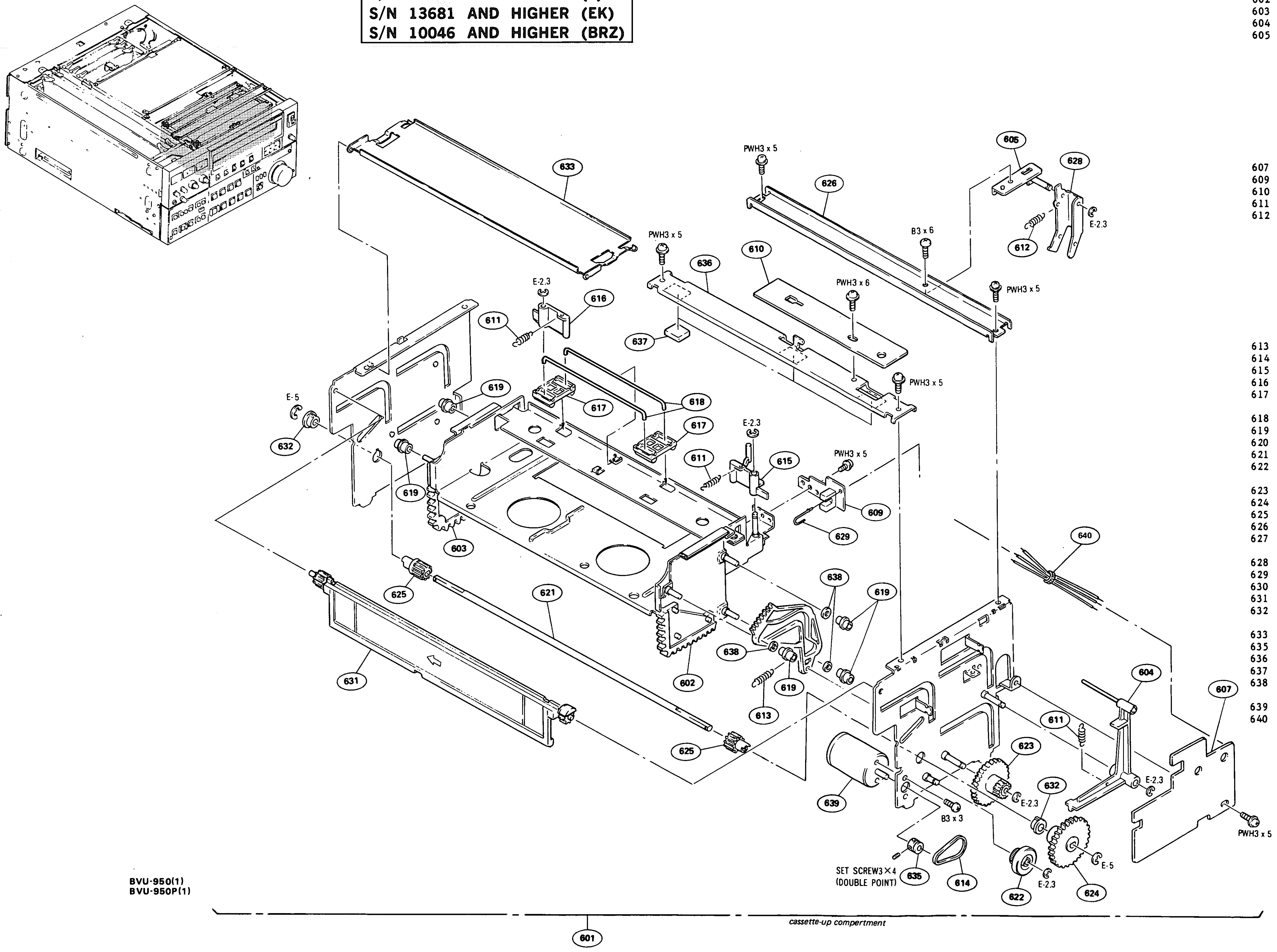
8. FUNCTION CONTROL



No.	Parts No.	SP	Description
701	A-6717-491-A	o	MOUNTED CIRCUIT BOARD, KY-144
702	A-6734-238-C	s	DIAL BLOCK ASS'Y, SEARCH
703	X-3717-226-1	o	SHAFT SUB ASS'Y, MAIN
704	X-3717-227-1	o	ARM (RIGHT), ASS'Y, S10
705	X-3717-228-1	o	ARM (LEFT), ASS'Y, S10
706	X-3717-229-1	o	ARM ASS'Y, RETURN
707	1-516-994-00	s	SWICH, LEVER SLIDE
708	1-516-995-00	s	SWICH, LEVER SLIDE
709	1-552-539-00	s	SWICH, KEY BOARD
710	1-554-039-11	s	SWITCH, PUSH
711	1-554-040-21	s	SWITCH, PUSH
712	1-622-638-11	o	PRINTED CIRCUIT BOARD, PTC-32
713	2-280-622-11	o	SUPPORT (M3), HEXAGON
714	3-531-576-01	s	RIVET, NYLON
715	3-639-371-00	s	SPRING, TENSION
716	3-659-487-00	s	HOLDER, BUZER
717	3-659-488-00	s	PIN, BUZER HOLDER
718	3-662-048-00	s	WASHER, BRACKET
719	3-701-443-21	s	WASHER, POLY 5 MM DIA., 0.5T
720	3-717-315-01	o	PLATE, BOTTOM, SD
721	3-717-316-03	o	GUIDE, LOCK IN
722	3-717-317-01	o	PLATE, CLUCH
723	3-717-318-01	o	BEARING, S10
724	3-717-319-01	o	SPRING, TORSION
725	3-717-320-01	o	SPRING, COMPRESSION
726	3-717-321-01	o	PROTECTOR, PCT
727	3-717-417-01	o	CAM
728	3-717-418-01	o	PLATE
729	3-717-546-02	o	GUIDE, LOCK OUT
730	3-717-553-01	o	BEARING, SD
731	3-718-657-01	o	HOLDER, LED
732	3-718-740-01	o	PROTECTOR, KY
733	3-718-771-01	o	COVER (U), SD
734	3-718-792-01	o	HOLDER, SHEET
735	3-718-793-03	s	MENU SHEET
736	8-819-942-19	s	DIODE, LB-402VK
737	1-554-039-21	s	SWITCH, PUSH
738	1-554-039-41	s	SWITCH, PUSH
739	1-554-039-51	s	SWITCH, PUSH
740	1-571-169-11	s	SWITCH, TACTIL
741	1-571-169-21	s	SWITCH, TACTIL

7. CASSETTE-UP COMPARTMENT BLOCK

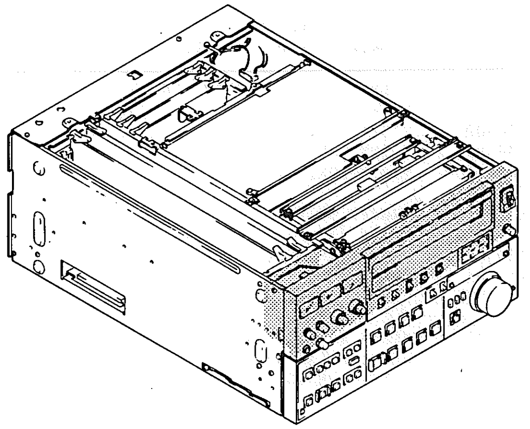
S/N 13941 AND HIGHER (UC)
S/N 11026 AND HIGHER (J)
S/N 13681 AND HIGHER (EK)
S/N 10046 AND HIGHER (BRZ)

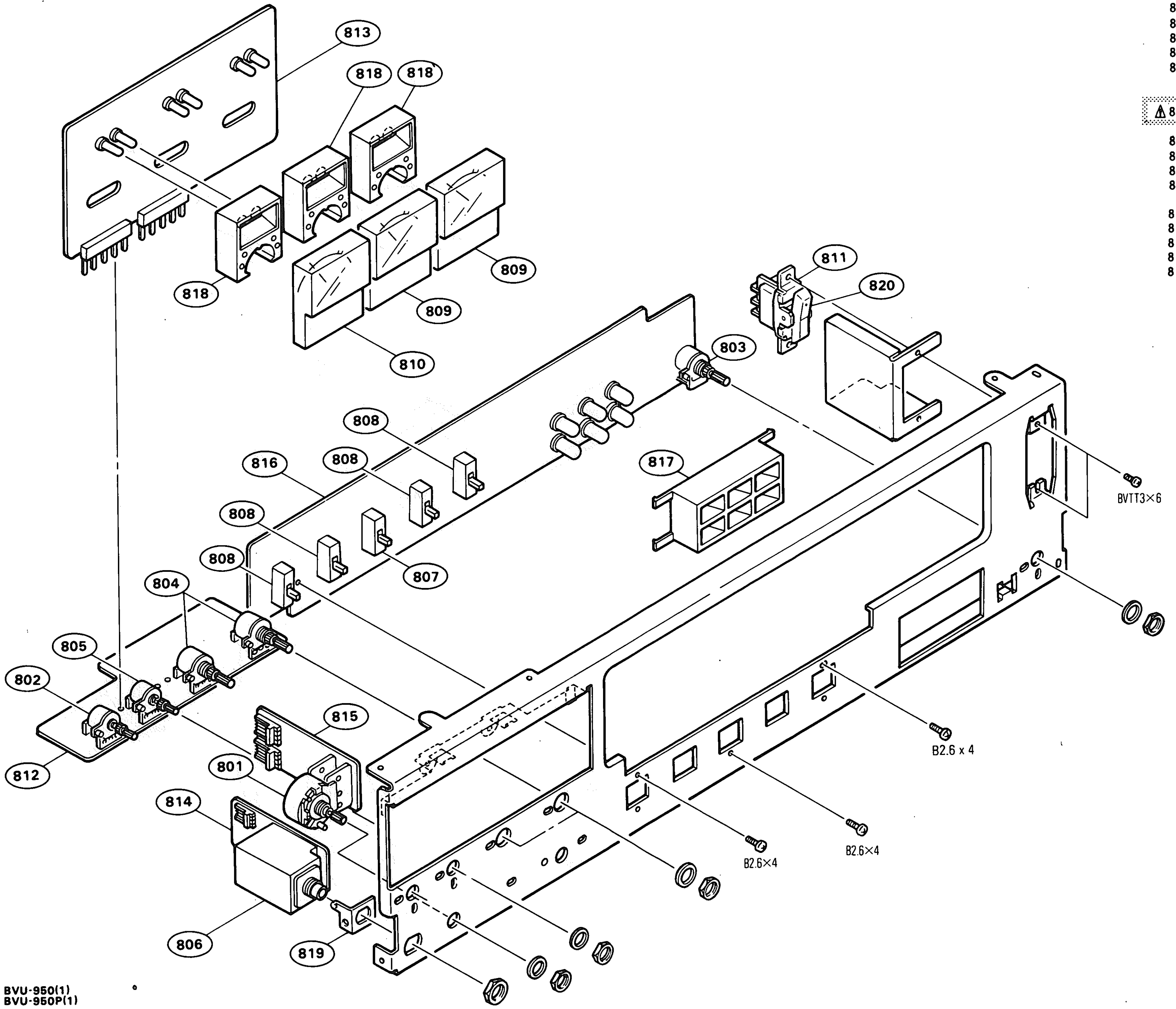


BVU-950(1)
BVU-950P(1)

No.	Parts No.	SP	Description
601	A-6751-391-C	s	CASSETTE-UP BLOCK ASS'Y
602	X-3718-661-1	s	RACK ASS'Y, CASSETTE COMPERTMENT
603	X-3718-662-1	s	RACK ASS'Y, CASSETTE COMPERTMENT
604	X-3668-059-0	s	ARM ASS'Y, SWITCH, DOWN
605	X-3668-060-3	o	HOLDER ASS'Y, ARM UC: S/N UP TO 16795 J: S/N UP TO 11595 EK: S/N UP TO 14370 BR: S/N UP TO 10130
	X-3165-158-1	o	HOLDER ASS'Y, ARM UC: S/N 16796 AND HIGHER J: S/N 11596 AND HIGHER EK: S/N 14371 AND HIGHER BR: S/N 10131 AND HIGHER
607	1-627-572-12	o	PRINTED CIRCUIT BOARD, CC-36
609	1-627-573-13	o	PRINTED CIRCUIT BOARD, CC-37
610	1-623-101-11	o	PRINTED CIRCUIT BOARD, LP-41
611	3-507-051-00	s	SPRING, TENSION
612	3-534-217-11	s	SPRING, TENSION UC: S/N UP TO 16795 J: S/N UP TO 11595 EK: S/N UP TO 14370 BR: S/N UP TO 10130
	3-669-980-00	s	SPRING, TENSION UC: S/N 16796 AND HIGHER J: S/N 11596 AND HIGHER EK: S/N 14371 AND HIGHER BR: S/N 10131 AND HIGHER
613	3-536-780-11	s	SPRING, TENSION
614	3-653-387-00	s	BELT, LM
615	3-668-295-00	o	LEVER (RIGHT), CASSETTE PUSH-OUT
616	3-668-296-00	o	LEVER (LEFT), CASSETTE PUSH-OUT
617	3-668-297-00	s	RETAINER, CASSETTE
618	3-668-298-02	o	SPRING
619	3-668-299-00	s	ROLLER, GUIDE
620	3-721-483-02	o	CAM, LID OPEN
621	3-721-474-01	o	SHAFT, DRIVING
622	3-668-303-00	s	GEAR (A)
623	3-668-304-00	s	GEAR (B)
624	3-721-477-01	s	GEAR (C)
625	3-721-478-01	s	GEAR (D)
626	3-668-307-02	o	JOINT (R), LEFT & RIGHT
627	3-668-309-00	o	BRACKET, SWITCH
628	3-668-310-02	o	ARM, LID OPEN
629	3-721-476-01	o	WIRE,FIXED
630	3-668-315-02	s	GEAR, LID
631	3-721-480-01	s	LID, CASSEETTE
632	3-721-479-01	s	BEARING (6)
633	3-721-486-01	s	REFLECTOR
635	3-672-750-01	s	PULLEY (C), MOTOR
636	3-718-374-01	o	JOINT (F), LEFT & RIGHT
637	3-718-373-01	o	RETAINER, LID
638	3-701-439-21	s	WASHER, POLY 3 MM DIA., 0.5T
639	8-835-179-01	s	MOTOR, DC MCB2B15
640	1-945-721-11	s	HARNESS (CASECON)

9. LEVEL CONTROL

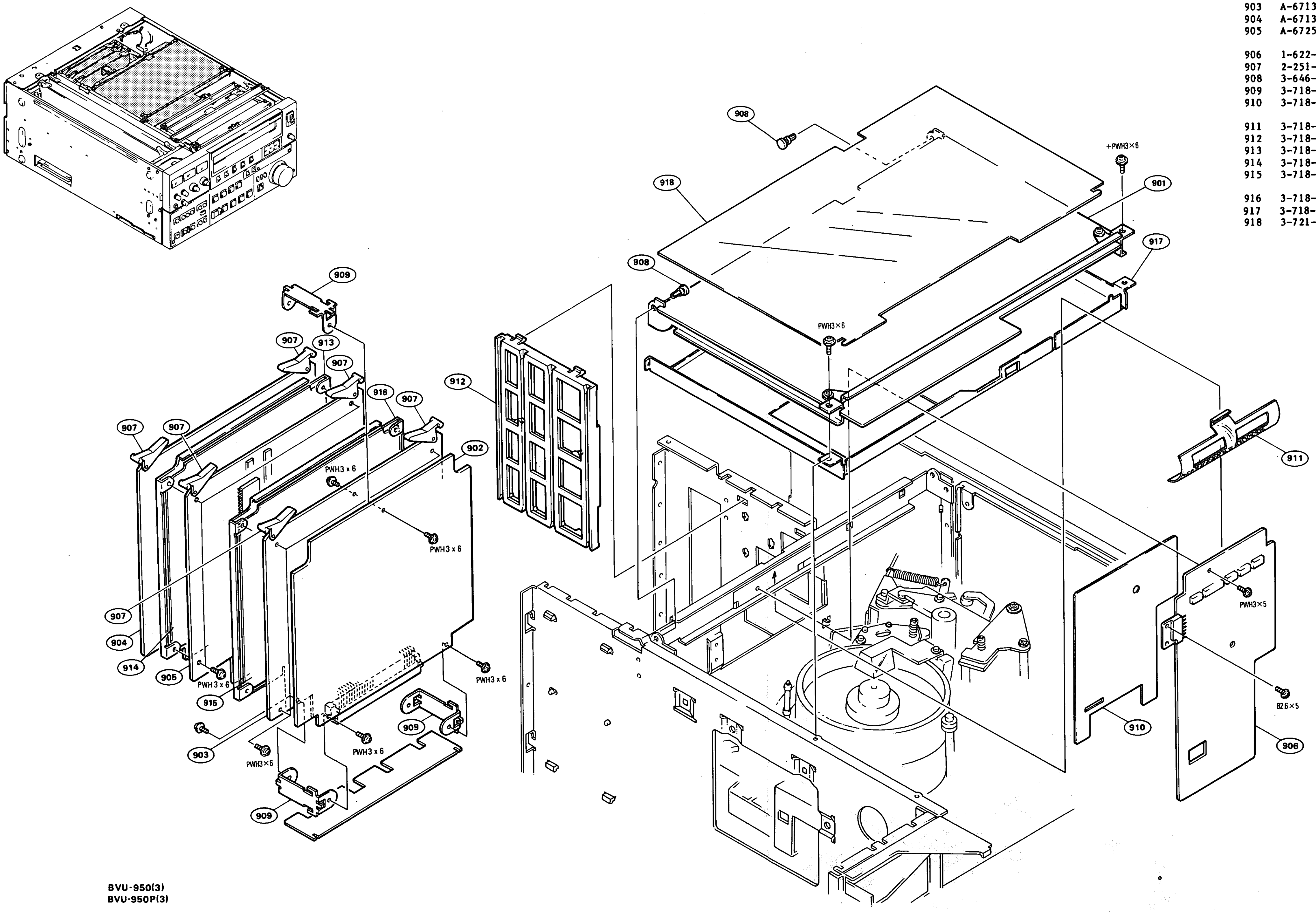




BVU-950(1)
BVU-950P(1)

No.	Parts No.	SP	Description
801	1-228-218-00	s	RES, VAR, CARBON 500/500
802	1-230-339-11	s	RES, VAR, CARBPN 100k
803	1-237-713-11	s	RES, VAR, CARBPN 100k
804	1-237-714-11	s	RES, VAR, CARBPN 5k/5k
805	1-237-715-11	s	RES, VAR, CARBPN 10k
806	1-507-553-00	s	JACK
807	1-516-963-00	s	SWITCH, LEVER SLIDE
808	1-516-994-00	s	SWITCH, LEVER SLIDE
809	1-520-393-00	s	METER, AUDIO
810	1-520-440-00	s	METER, VIDEO
⚠811	1-570-117-11	s	SWITCH, ROCKER (AC POWER)
812	1-622-727-11	o	PRINTED CIRCUIT BOARD, VR-48
813	1-622-729-11	o	PRINTED CIECUIT BOARD, MT-28
814	1-622-730-11	o	PRINTED CIRCUIT BOARD, HP-28
815	1-622-731-11	o	PRINTED CIECUIT BOARD, VR-49
816	1-622-737-11	o	PRINTED CIRCUIT BOARD, SW-170
817	3-718-613-01	o	HOLDER (A), LAMP
818	3-718-614-01	o	HOLDER (B), LAMP
819	3-718-789-01	o	PLATE, GROUND, HP
820	3-688-814-01	s	CAP, SWITCH

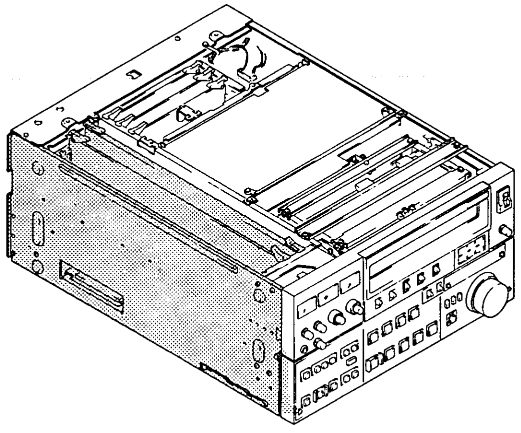
10. CHASSIS BLOCK (REAR)

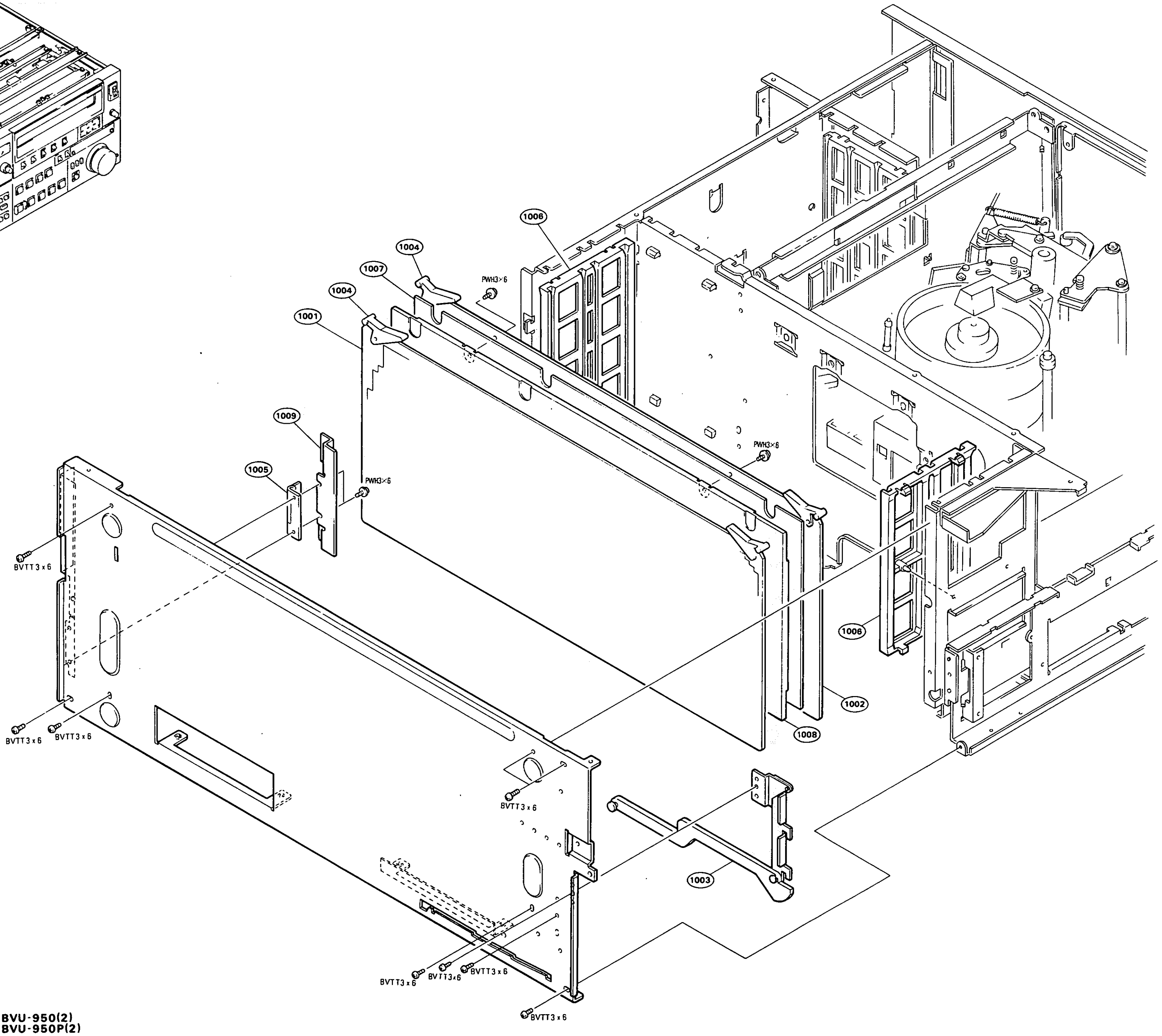


BVU-950(3)
BVU-950P(3)

No.	Parts No.	SP	Description
901	A-6711-826-A	o	MOUNTED CIRCUIT BOARD, MD-44
902	A-6713-284-A	o	MOUNTED CIRCUIT BOARD, AU-83
903	A-6713-285-A	o	MOUNTED CIRCUIT BOARD, AU-84
904	A-6713-286-A	o	MOUNTED CIECUIT BOARD, AU-85
905	A-6725-572-A	o	MOUNTED CIRCUIT BOARD, BC-11
906	1-622-725-11	o	PRINTED CIRCUIT BOARD, HN-80
907	2-251-622-00	s	LEVER, PC BOARD
908	3-646-090-00	s	RIVET, NYLON
909	3-718-655-01	o	JOINT, AU
910	3-718-667-01	o	PROTECTOR, PC BOARD
911	3-718-668-01	o	PROTECTOR (A), HARNESS
912	3-718-709-01	o	GUIDE (B), PCB
913	3-718-710-01	o	PLATE (SMALL), SHIELD
914	3-718-711-01	o	SHEET (SMALL), INSULATING
915	3-718-797-01	o	SHEET (INNER),INSULATING
916	3-718-798-01	o	PLATE (INNER), SHIELD
917	3-718-799-02	o	SHIELD (LARGE), MD (For UC,J)
918	3-721-408-01	o	SHEET, PROTECTION, MD

11. CHASSIS BLOCK (LEFT)

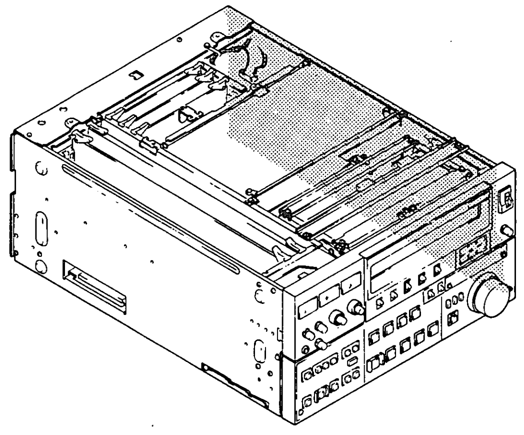


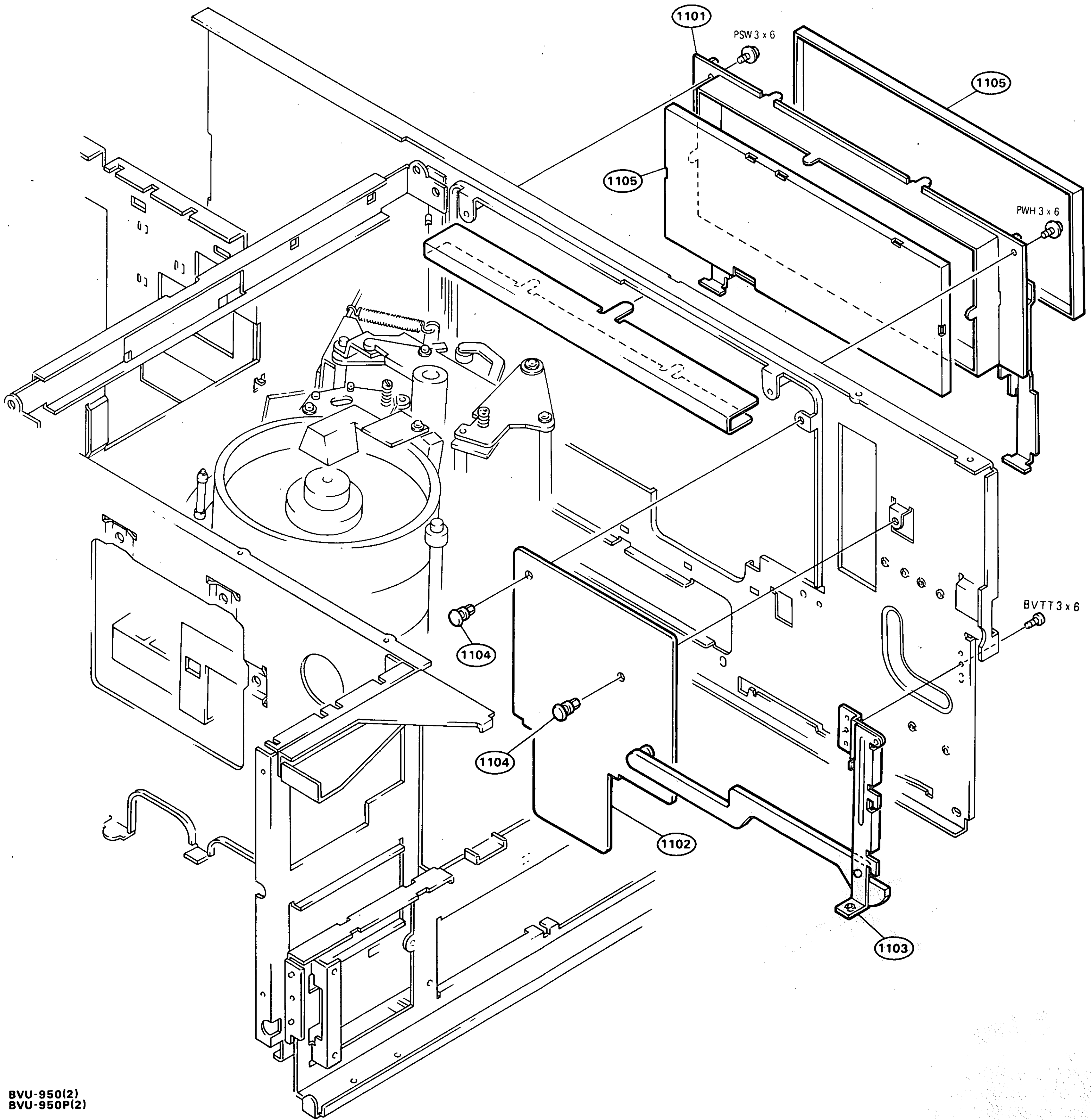


BVU-950(2)
BVU-950P(2)

No.	Parts No.	SP	Description
1001	A-6711-824-A	o	MOUNTED CIRCUIT BOARD, DM-54
1002	A-6715-433-A	o	MOUNTED CIRCUIT BOARD, SV-88
1003	X-3718-617-1	o	HINGE (LEFT) ASS'Y
1004	2-251-622-00	s	LEVER, PC BOARD
1005	3-651-875-00	s	HINGE, FRONT
1006	3-718-708-01	o	GUIDE (A), PCB
1007	3-718-714-01	o	SHEET (C), INSULATING, TBC
1008	3-718-738-11	o	SHIELD (C), TBC
1009	3-718-772-01	o	CONNECTOR PANEL (ASSIST)

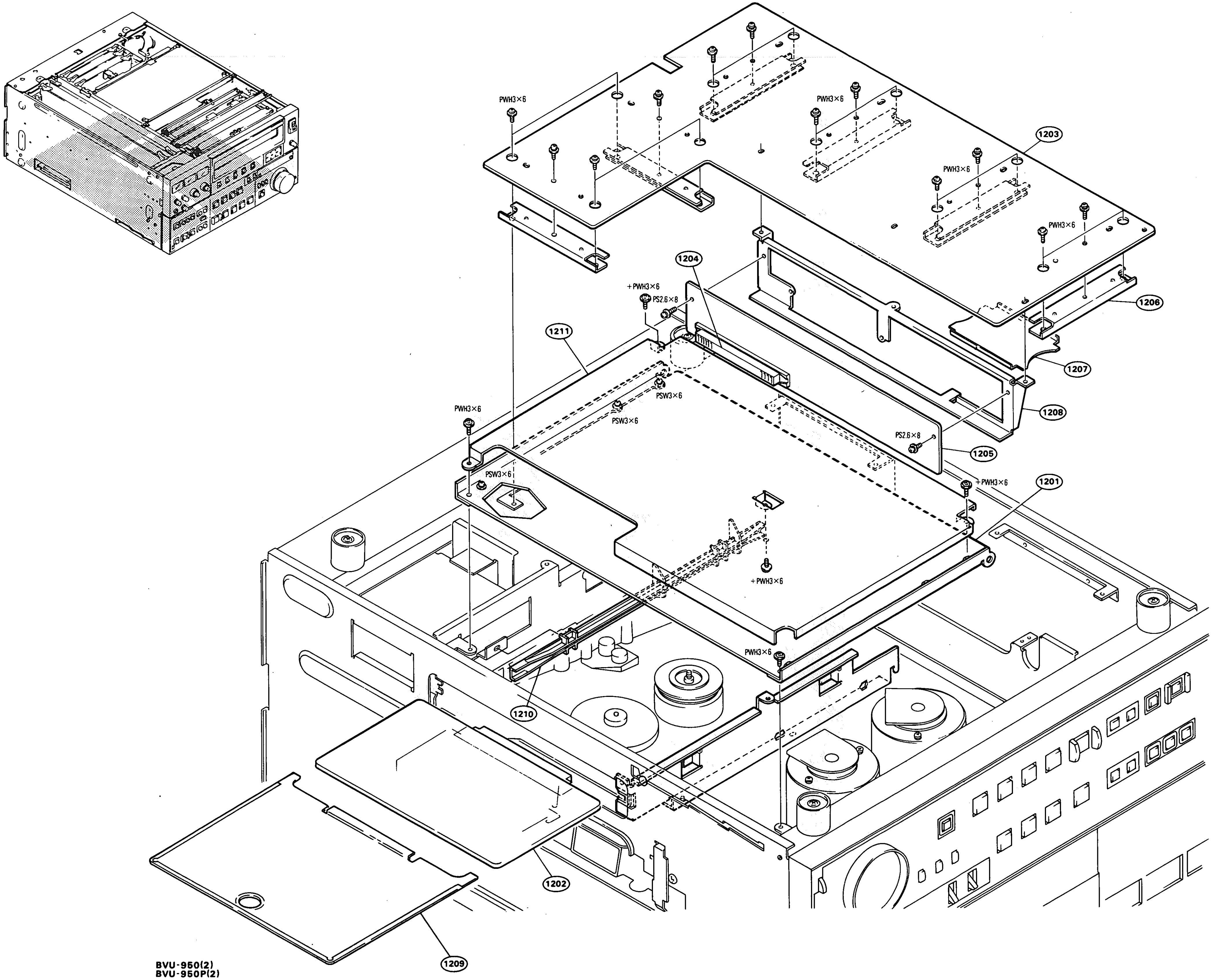
12. CHASSIS BLOCK (RIGHT)





No.	Parts No.	SP	Description
1101	A-6711-825-A	o	MOUNTED CIRCUIT BOARD, RP-30
1102	A-6717-458-A	o	MOUNTED CIRCUIT BOARD, PD-37
1103	X-3718-618-1	o	HINGE (RIGHT) ASS'Y
1104	3-646-090-00	s	RIVET, NYLON
1105	3-718-724-01	o	LID, RP SHIELD CASE

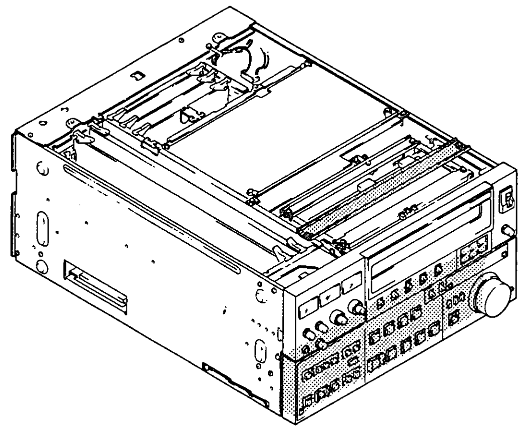
13. CHASSIS BLOCK (BOTTOM)

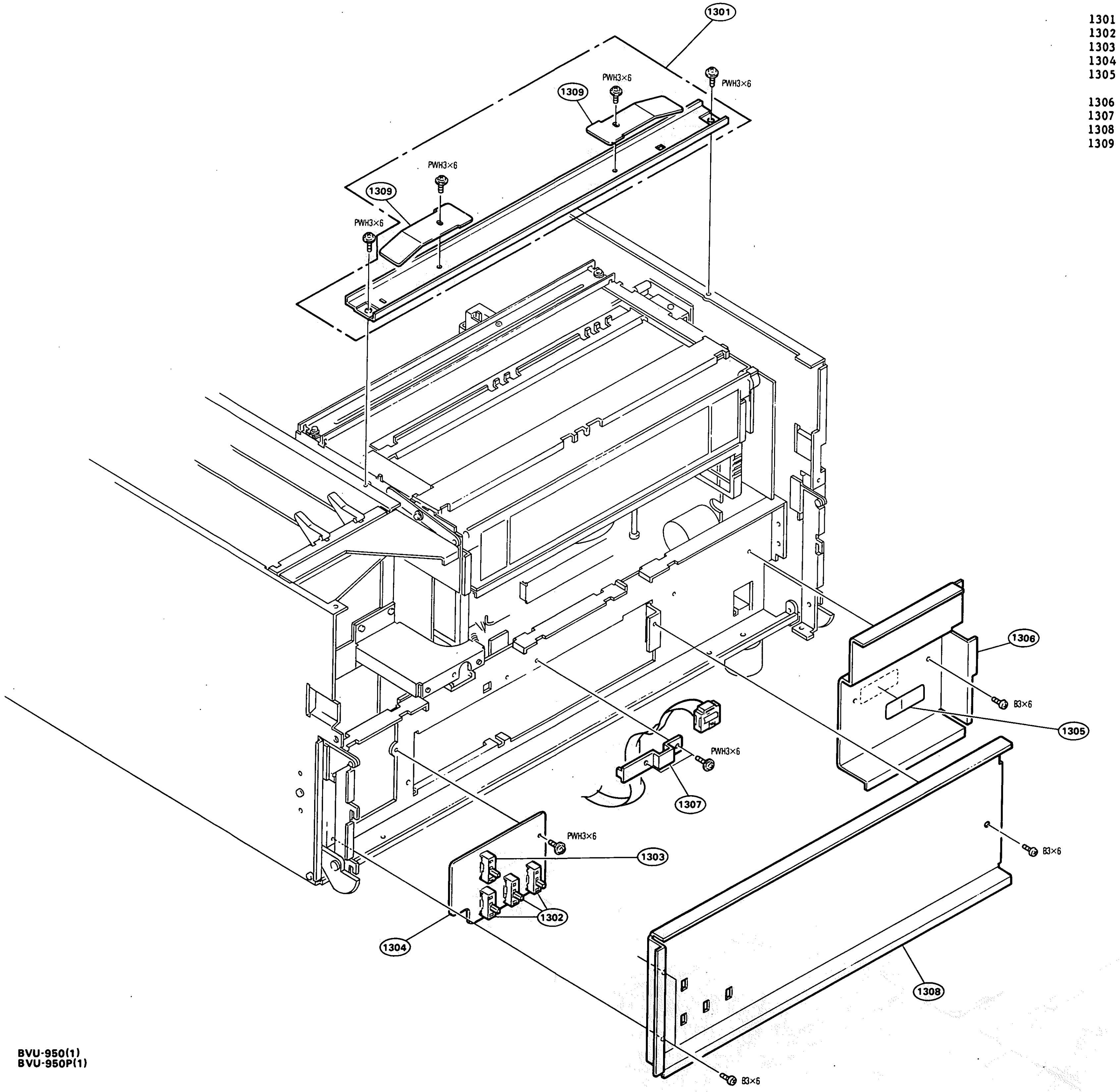


BVU-950(2)
BVU-950P(2)

No.	Parts No.	SP	Description
1201	A-6717-461-A	o	MOUNTED CIRCUIT BOARD, SY-102A
1202	A-6717-460-A	o	MOUNTED CIRCUIT BOARD, DSC-44
1203	A-6729-502-A	o	MOUNTED CIRCUIT BOARD, MB-127
1204	1-563-336-21	o	HOUSING, CONNECTOR (DIP) 64P
1205	1-622-714-11	o	PRINTED CIRCUIT BOARD, MB-139
1206	3-718-616-01	o	BRACKET, MB
1207	3-718-659-02	o	PROTECTOR (A), HARNESS
1208	3-718-720-01	o	JOINT, MB
1209	3-721-409-01	o	SHEET, DSC, JOINT
1210	3-718-790-01	o	GUIDE, TC
1211	3-718-791-01	o	SIELD, SY

14. CHASSIS BLOCK (FRONT)

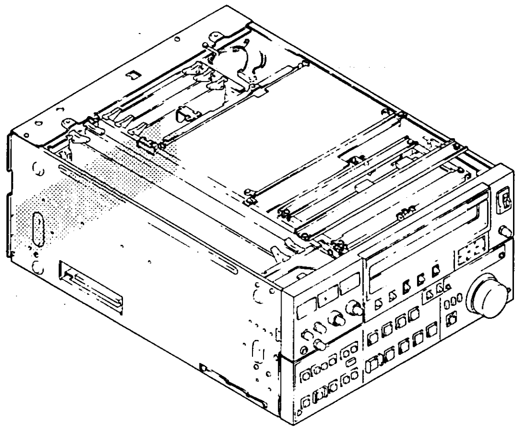


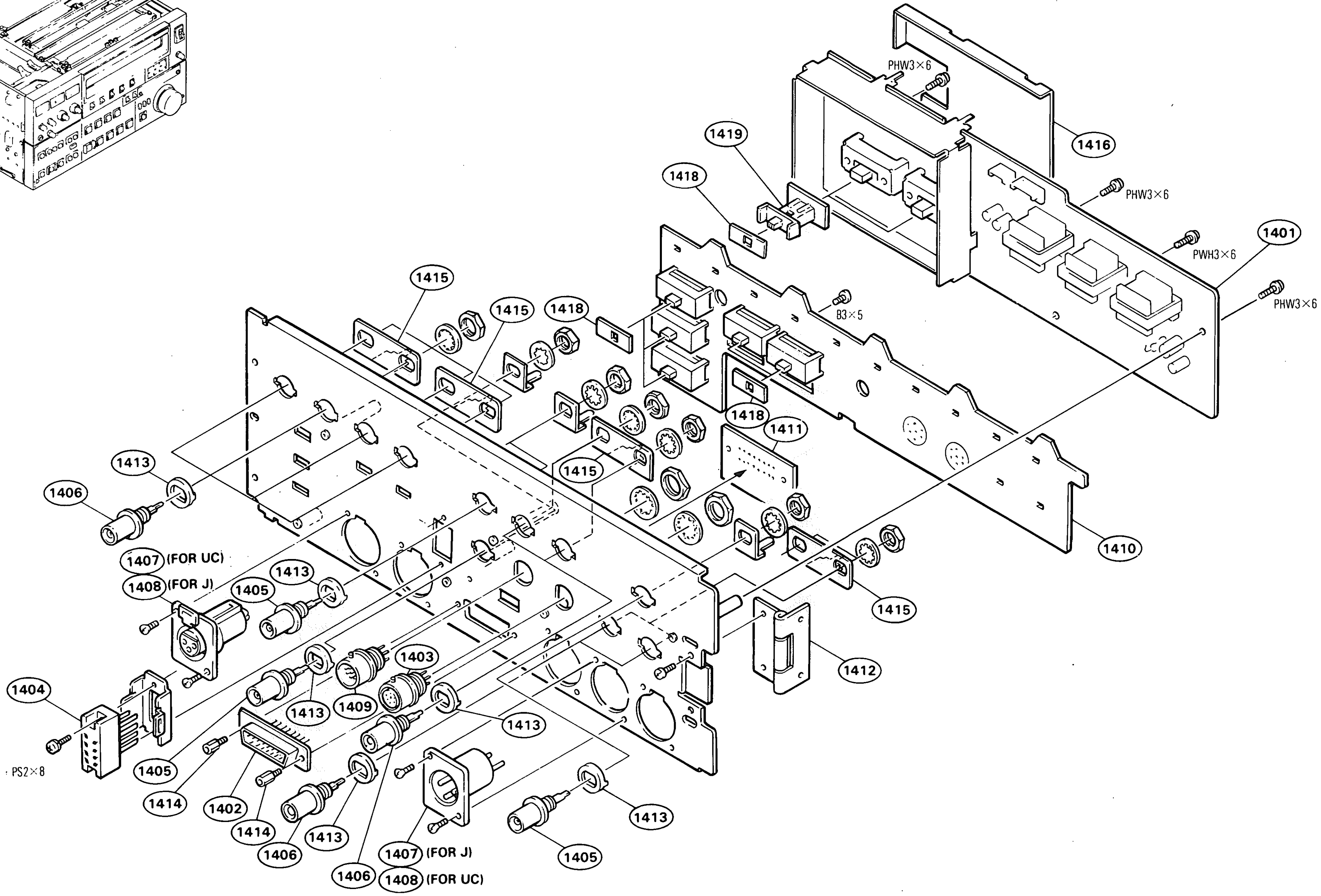


BVU-950(1)
BVU-950P(1)

No.	Parts No.	SP	Description
1301	A-6730-955-B	o	STAY BLOCK ASS'Y
1302	1-554-481-00	s	SWITCH, SLIDE
1303	1-554-482-00	s	SWITCH, SLIDE
1304	1-622-738-11	o	PRINTED CIRCUIT BOARD, SW-171
1305	3-703-848-01	o	LABEL (N), SUB CAUTION (For UC)
1306	3-718-610-02	o	COBER (B), FRONT
1307	3-718-671-01	o	REATINER, CABLE
1308	3-718-781-01	o	COBER, FRONT (A)
1309	3-668-425-00	s	SPRING

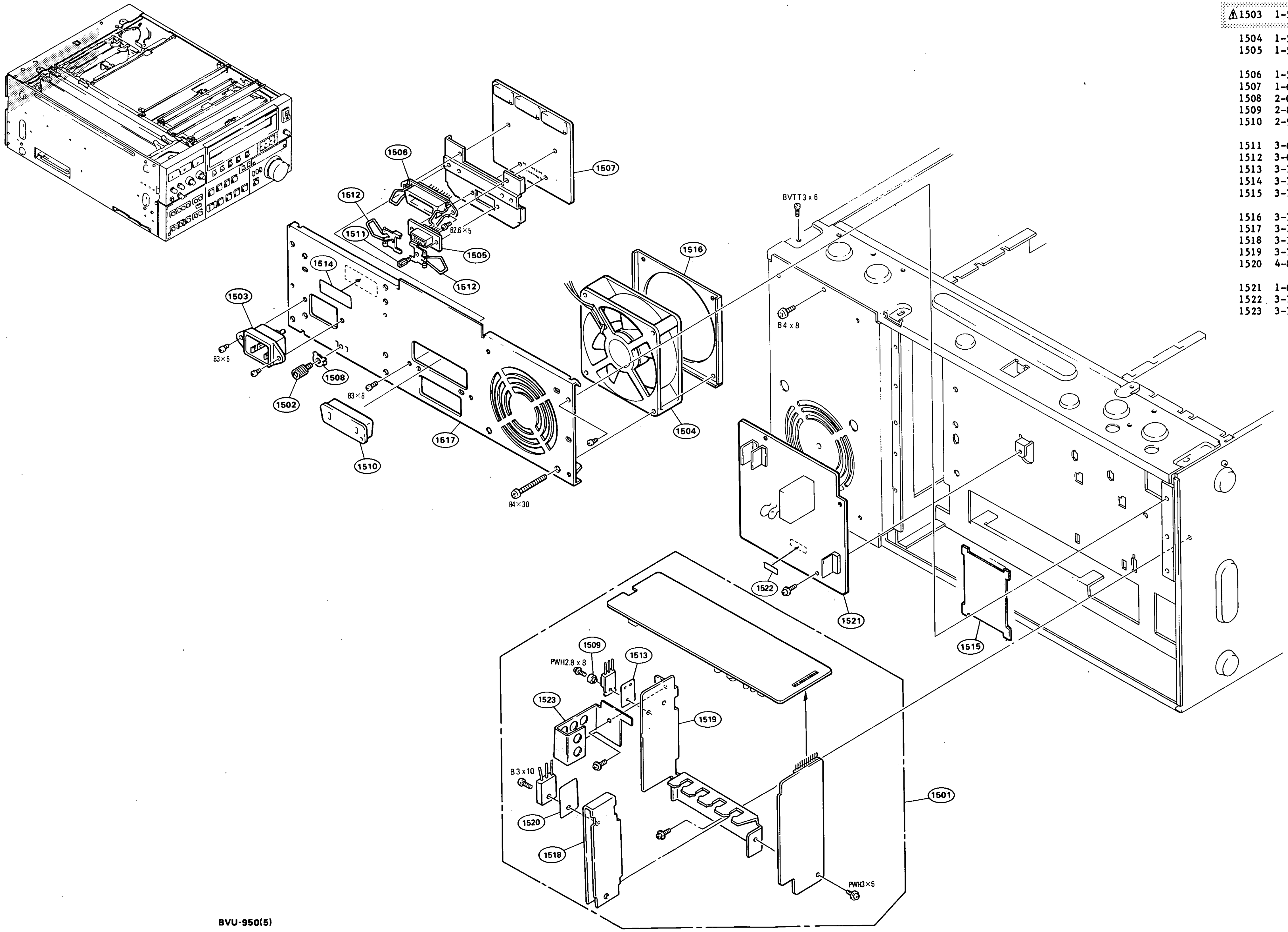
15. CONNECTOR PANEL





No.	Parts No.	SP	Description
1401	A-6713-283-A	o	MOUNTED CIRCUIT BOARD, AU-87
1402	1-560-769-00	s	PLUG, CONNECTOR 15P
1403	1-561-045-21	s	CONNECTOR, (R-F)
1404	1-561-577-21	s	CONNECTOR (DIP.TYPE) 8P
1405	1-562-227-23	s	RECEPTACLE, BNC
1406	1-562-227-23	s	RECEPTACLE, BNC
1407	1-563-029-21	s	CONNECTOR (RECEPTACLE) 3P
1408	1-563-030-21	s	CONNECTOR (RECEPTACLE) 3P
1409	1-566-622-11	s	CONNECTOR, DIRCLE (R-M) 7P
1410	1-622-706-12	o	PRINTED CIRCUIT BOARD, CP-109
1411	1-622-740-11	o	PRINTED CIRCUIT BOARD, RM-45
1412	3-651-875-00	s	HINGE, FRONT
1413	3-654-545-00	s	SPACER, BNC
1414	3-668-459-11	o	SCREW, CONNECTOR
1415	3-718-662-01	o	GROUND, BNC
1416	3-718-688-01	o	SHIELD (B), INPUT
1418	3-718-757-01	o	CUSION, SW
1419	3-718-715-02	o	ACTUATOR, SW

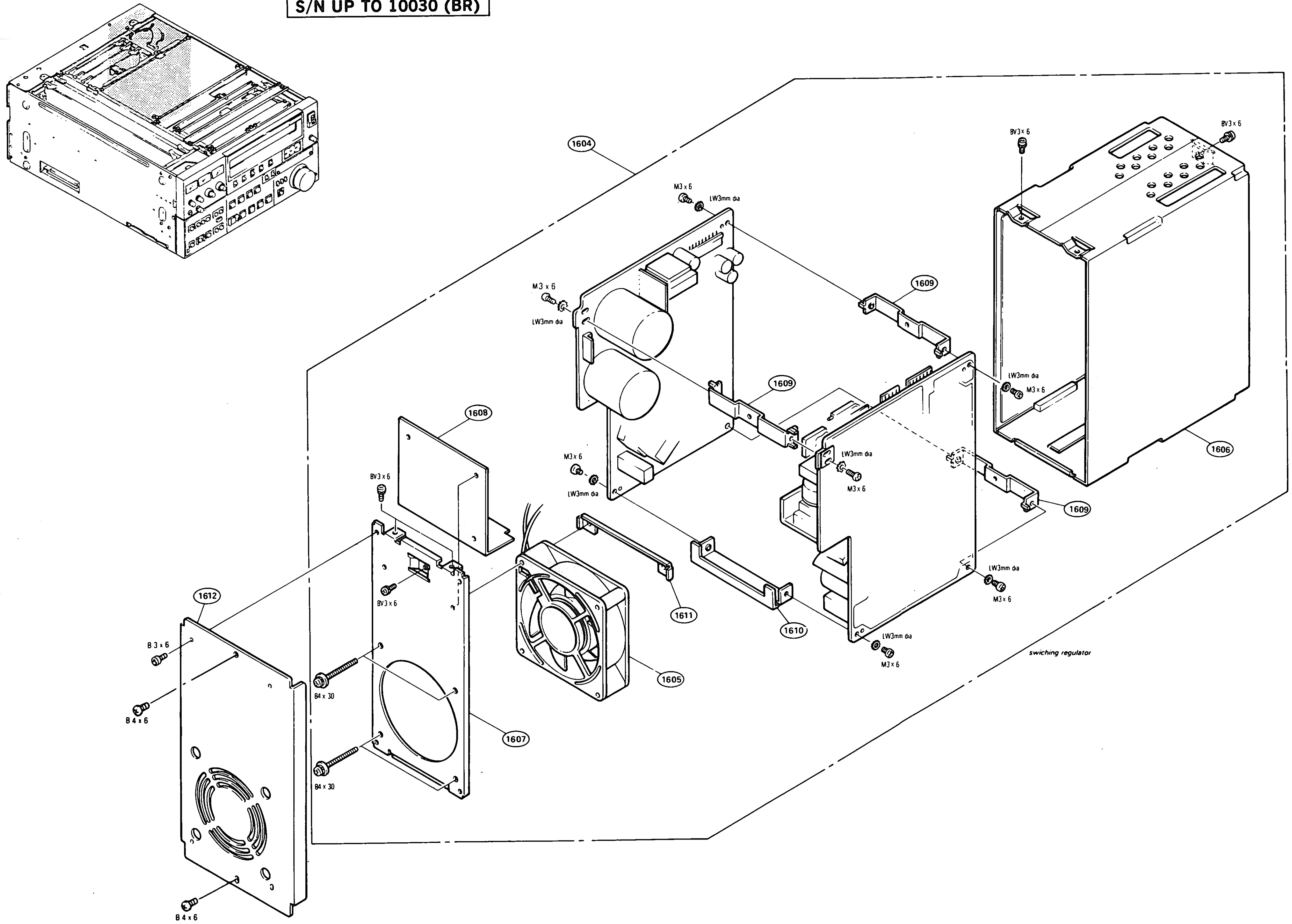
16. REAR PANEL



No.	Parts No.	SP	Description
1501	A-6715-367-A	o	MOUNTED CIRCUIT BOARD, DR-53
1502	X-2068-004-0	s	TERMINAL ASS'Y
⚠1503	1-580-375-21	o	3P INLET
1504	1-541-431-31	s	FAN, DC
1505	1-563-890-11	s	SOCKET, D-SUB CONNECTOR 9P
1506	1-566-658-11	s	CONNECTOR 24P
1507	1-622-739-11	o	PRINTED CIRCUIT BOARD, RM-44
1508	2-068-008-00	s	WASHER
1509	2-832-007-00	s	BUSHING (K), INSULATING
1510	2-990-028-01	o	CAP, DUST
1511	3-668-459-11	o	SCREW, CONNECTOR
1512	3-668-460-00	o	SPRING
1513	3-703-037-00	s	INSULATOR, TO-220
1514	3-703-845-01	o	LABEL, CAUTION, MAIN (For UC)
1515	3-721-454-01	o	PROTECTOR (C), HARNESS
1516	3-718-685-01	o	NUT, PLATE, FAN
1517	3-718-707-01	o	PANEL REAR
1518	3-718-718-02	o	HEAT SINK (A)
1519	3-718-719-01	o	HEAT SINK (B)
1520	4-871-906-00	s	SHEET, INSULATING
1521	1-622-704-11	o	PRINTED CIRCUIT BOARD, AC-78
1522	3-701-947-17	s	LABEL, FUSE
1523	3-721-433-01	o	PLATE, PROTECTION HARNESS(For UC) UC: S/N 13691 AND HIGHER

17. SWITCHING REGULATOR

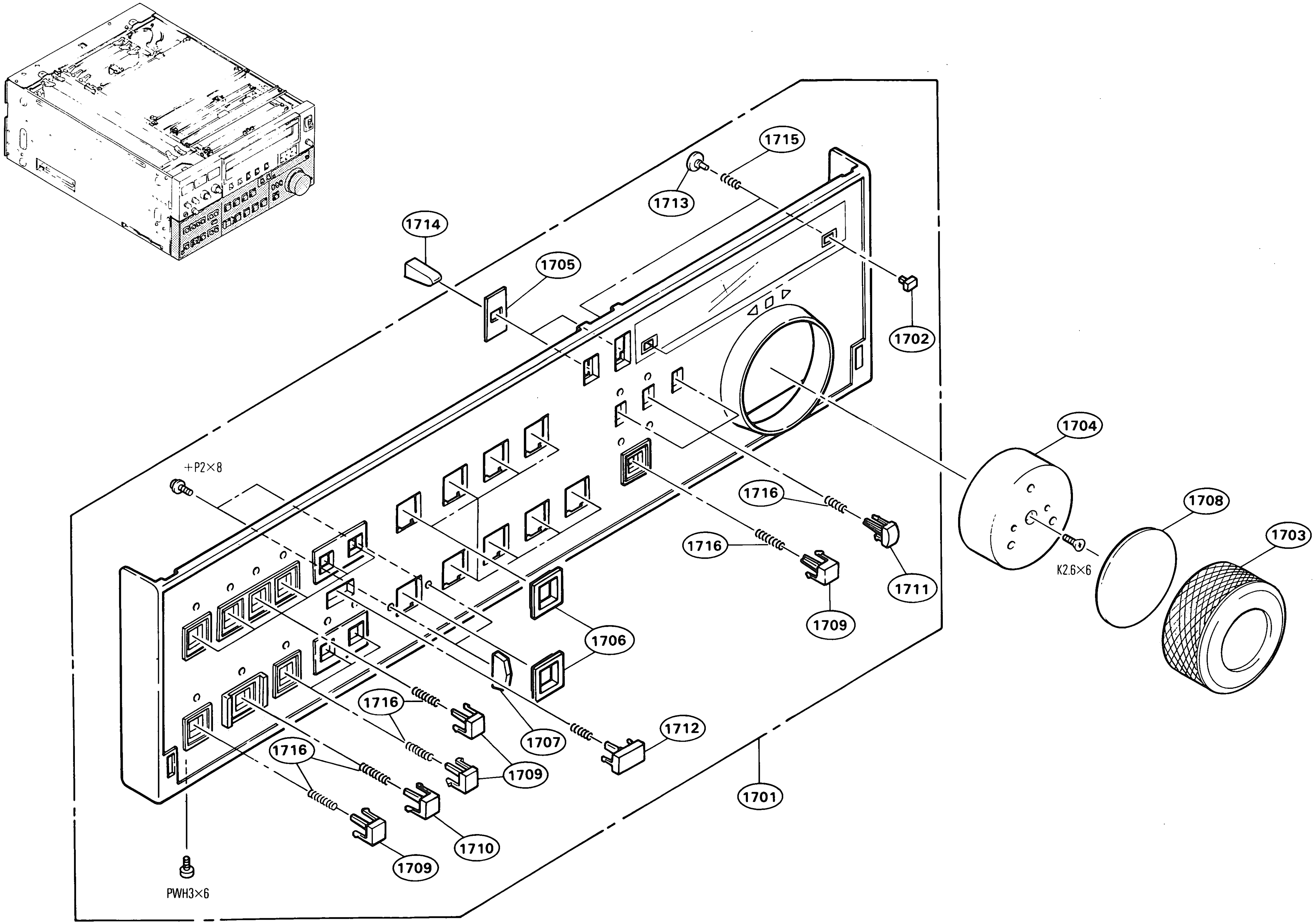
S/N UP TO 11025 (J)
S/N UP TO 13690 (UC)
S/N UP TO 10030 (BR)



BVU-950(2)

No.	Parts No.	SP	Description
⚠ 1604	1-413-307-14	s	REGULATOR, SWITCHING (UR21)
1605	1-541-524-11	s	MOTOR, DC FAN
1606	2-403-696-01	o	CASE
1607	2-403-697-01	o	LID, CASE
1608	2-431-668-01	o	SHEET, INSULATING
1609	2-434-441-01	o	BRACKET
1610	2-434-442-01	o	BRACKET
1611	2-434-443-01	o	BRACKET, FAN
1612	3-718-702-01	o	PLATE, ORNAMENTAL, SW

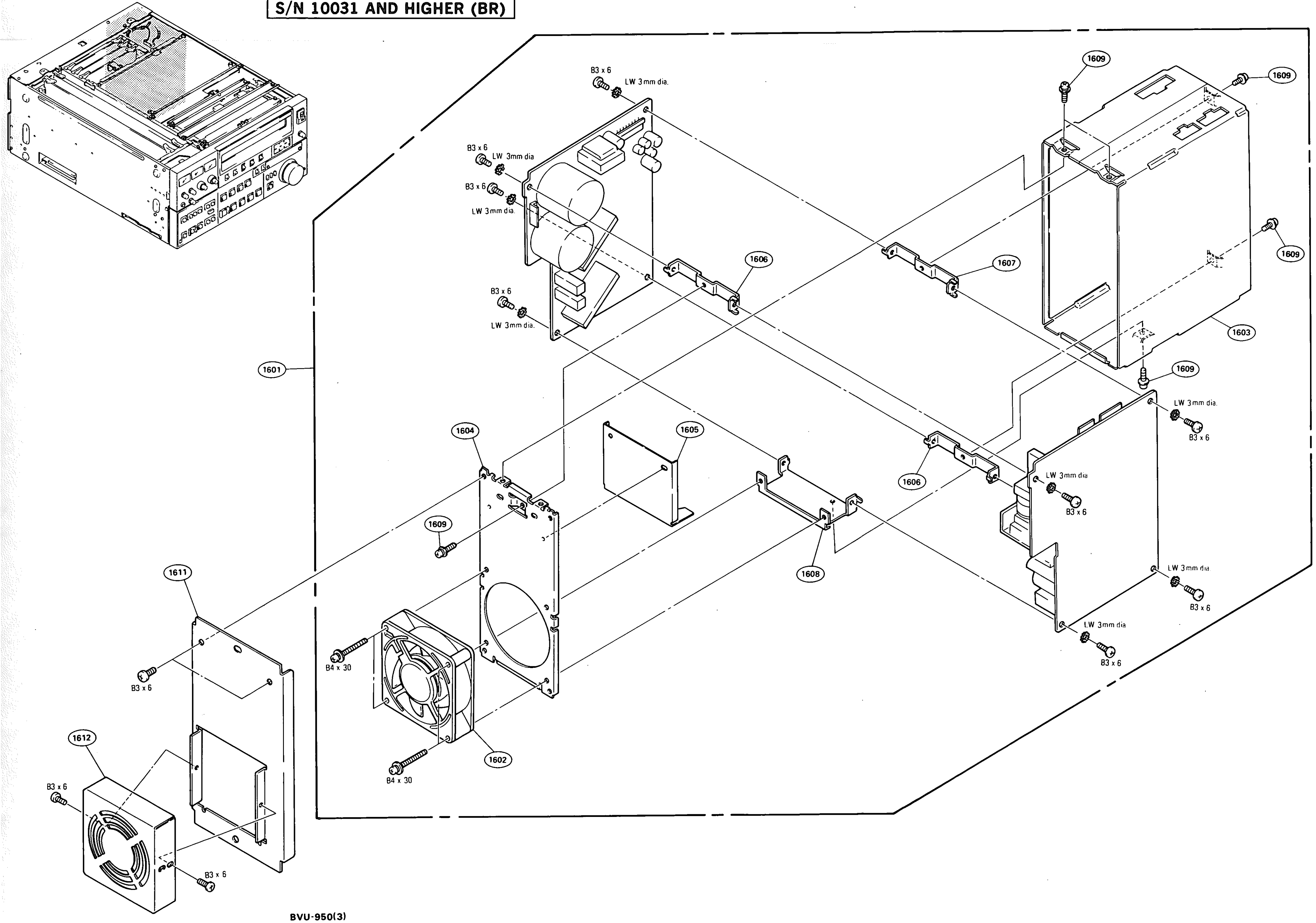
18. ORNAMENTAL PANEL(1)



No.	Parts No.	SP	Description
1701	A-6704-270-C	c	PANEL BLOCK ASS'Y, KEY
1702	3-668-008-02	s	PUSH BUTTON (3X5)
1703	3-668-012-00	s	RUBBER, DIAL KNOB
1704	3-717-370-01	o	KNOB, DIAL
1705	3-717-373-01	o	PLATE, ORNOMENTAL, LEVER SW
1706	3-717-377-01	o	FLAME (SQUARE 17), ORNAMENTAL
1707	3-717-380-01	o	GUARD, REC
1708	3-717-557-01	o	PLATE, KNOB
1709	3-718-664-01	s	KEY TOP
1710	3-718-664-11	s	KEY TOP
1711	3-718-681-01	s	PUSH BUTTON
1712	3-718-682-01	s	PUSH BUTTON
1713	3-718-694-01	s	PIN, PUSH BUTTON
1714	3-718-698-01	s	KNOB, LEVER SW
1715	4-309-349-00	s	SPRING, COIL
1716	4-866-613-00	s	SPRING, COMPRESSION

17. SWITCHING REGULATOR

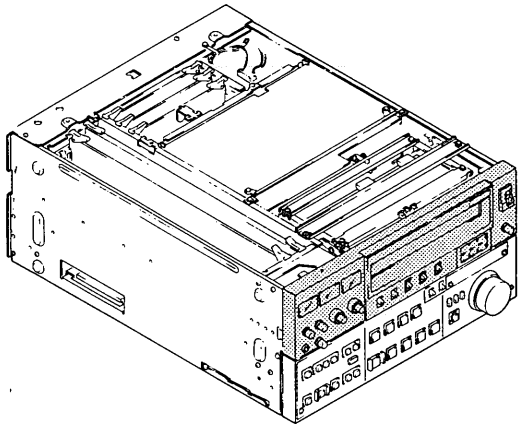
S/N 11026 AND HIGHER (J)
S/N 13691 AND HIGHER (UC)
S/N 10031 AND HIGHER (BR)



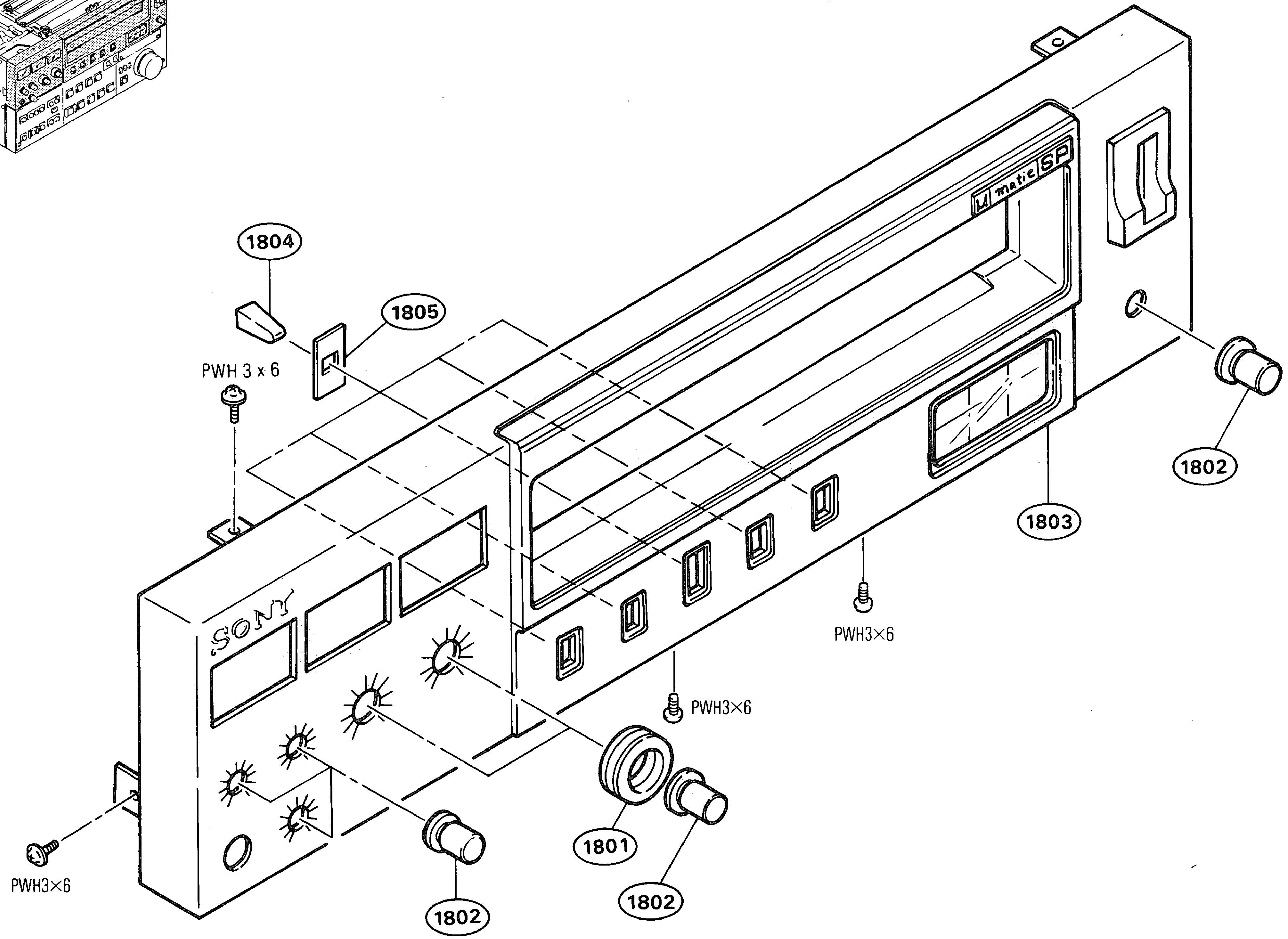
BVU-950(3)

No.	Parts No.	SP	Description
⚠ 1601	1-413-307-23	s	REGULATOR, SWITCHING (UR21B)
1602	1-541-524-11	s	MOTOR, DC FAN
1603	2-403-696-01	o	CASE
1604	2-403-697-01	o	LID, CASE
1605	2-431-695-01	o	SHEET, (IS-UR21-21-S), INSULATING
1606	2-434-441-01	o	BRACKET
1607	2-434-441-11	o	BRACKET, FAN
1608	2-434-457-01	o	BRACKET, LS-UR21-S
1609	3-703-108-01	s	SCREW +BV3X6, S TIGHT
1611	3-718-702-03	o	PLATE, ORNAMENTAL, SW
1612	3-721-469-01	o	COVER, FAN

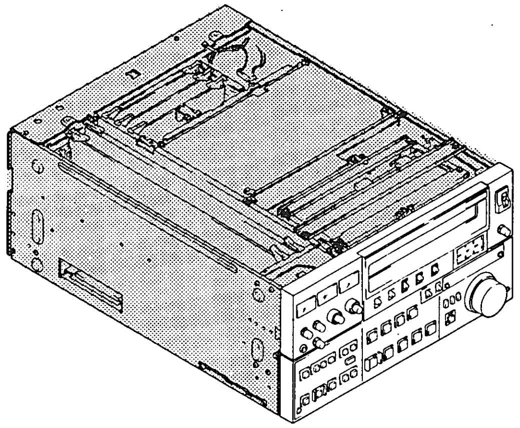
19. ORNAMENTAL PANEL(2)



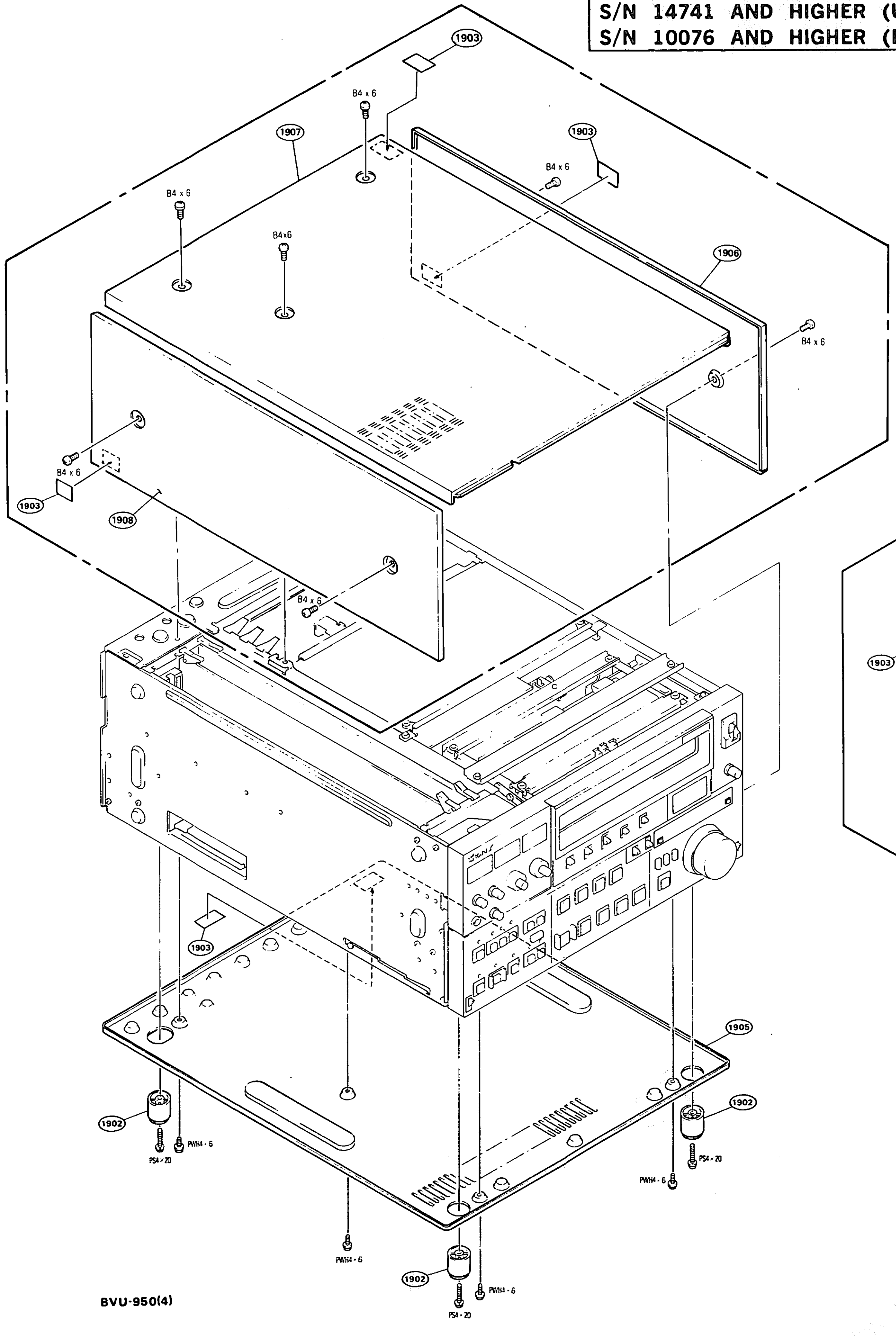
No.	Parts No.	SP	Description
1801	X-3715-497-1	s	KNOB (W) ASS'Y, CONTROL
1802	X-3672-707-1	s	KNOB ASS'Y, VOLUME
1803	X-3718-620-1	o	PANEL ASS'Y, FRONT
1804	3-718-698-01	s	KNOB, LEVER SW
1805	3-717-373-01	o	PLATE, ORNAMENTAL, LEVER SW



20. ORNAMENTAL PANEL(3)



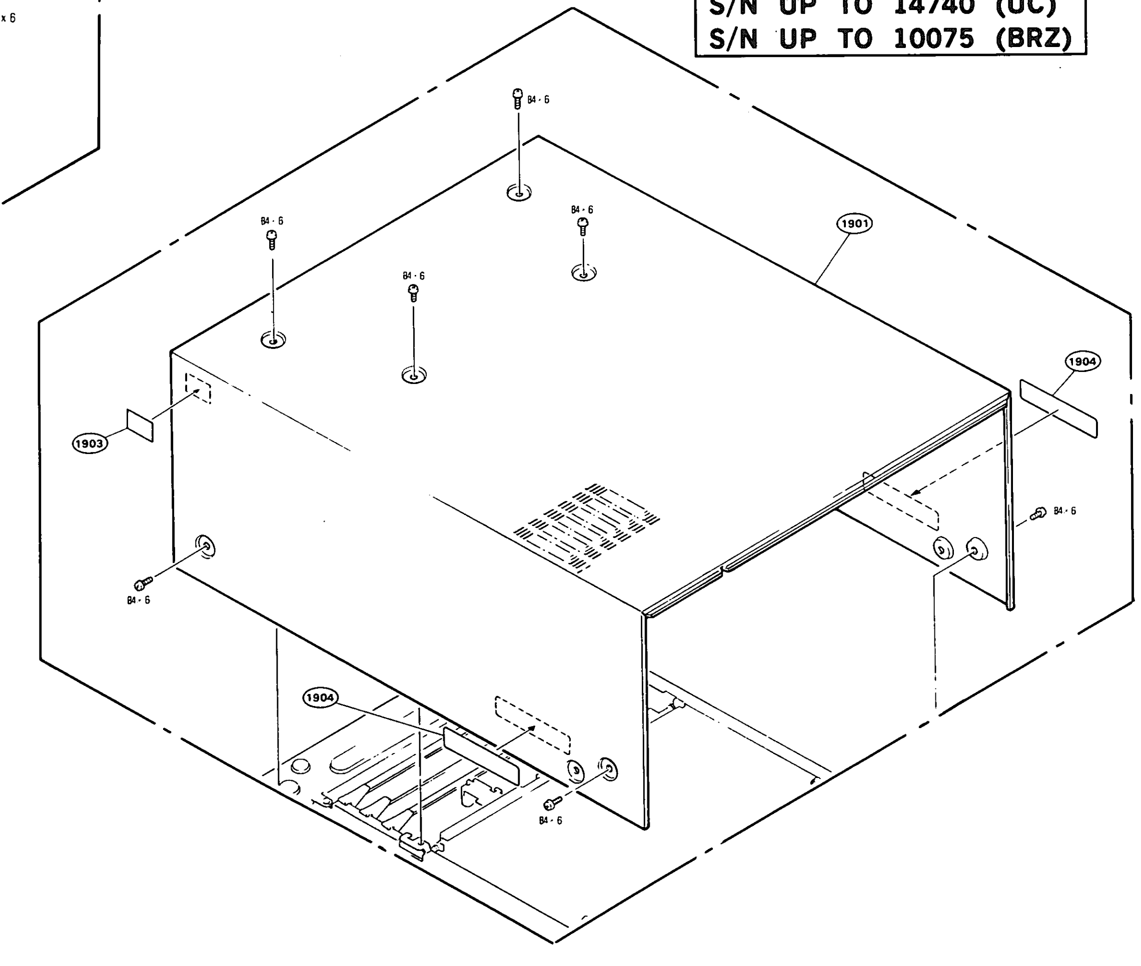
S/N 11026 AND HIGHER (J)
S/N 14741 AND HIGHER (UC)
S/N 10076 AND HIGHER (BRZ)



BVU-950(4)

No.	Parts No.	SP	Description
1901	X-3718-625-1	o	CASE ASS'Y, U
1902	3-642-656-01	s	LEG
1903	3-703-848-01	o	LABEL (N), SUB CAUTION(For UC)
1904	3-718-691-01	o	CAUTION, VIS
1905	3-718-739-01	o	PLATE, BOTTOM
1906	X-3718-664-1	o	PLATE ASS'Y, SIDE
1907	X-3718-666-1	o	PLATE ASS'Y, TOP
1908	3-734-301-01	o	PLATE, SIDE

S/N UP TO 11025 (J)
S/N UP TO 14740 (UC)
S/N UP TO 10075 (BRZ)



18-3. ELECTRICAL PARTS LIST

ABBREVIATIONS

Ref. No.	Description	Ref. No.	Description	Ref. No.	Description
C□□, CT□□	CAPACITOR	IC□□	IC	Q□□	TRANSISTOR
CF□□	CERAMIC FILTER	J□□	JACK	R□□, RV□□	RESISTOR
CN□□	CONNECTOR	L□□	INDUCTOR	RY□□	RELAY
D□□	DIODE	M□□	MOTOR	S□□, SW□□	SWITCH
DL□□	DELAY LINE	ME□□	METER	SB□□	SOLAR BATTERY
F□□	FUSE	MIC□□	MICROPHONE	T□□	TRANSFORMER
FB□□	FERRITE BEAD	PG□□	PG COIL	TH□□	THERMISTOR
FL□□	FILTER	PL□□	LAMP	X□□	CRYSTAL
H□□	HEAD	PM□□	SOLENOIDE		

All capacitors are in micro farads unless otherwise specified.

All inductors are in micro henries unless otherwise specified.

All resistors are in ohms.

General Purpose Electrical Parts List

Parts that are not listed in the "reference numbers order list" are shown in following list.
Reference numbers are omitted.

CAPACITOR

. CERAMIC

Part No.	SP	Description
1-161-039-00	s	CAP, CERAMIC 0.001 10% 50V
1-161-041-00	s	CAP, CERAMIC 0.0015 10% 50V
1-161-043-00	s	CAP, CERAMIC 0.0022 10% 50V
1-161-045-00	s	CAP, CERAMIC 0.0033 10% 50V
1-161-047-00	s	CAP, CERAMIC 0.0047 10% 50V
1-161-049-00	s	CAP, CERAMIC 0.0068 10% 50V
1-161-051-00	s	CAP, CERAMIC 0.01 10% 50V
1-161-053-00	s	CAP, CERAMIC 0.015 10% 50V
1-161-055-00	s	CAP, CERAMIC 0.022 10% 50V
1-161-057-00	s	CAP, CERAMIC 0.033 10% 50V
1-161-021-11	s	CAP, CERAMIC 0.047 10% 25V
1-161-059-00	s	CAP, CERAMIC 0.047 10% 50V
1-161-061-00	s	CAP, CERAMIC 0.068 10% 50V
1-161-772-11	s	CAP, CERAMIC 0.1 10% 25V
1-161-063-00	s	CAP, CERAMIC 0.1 10% 50V

. MYLAR

Part No.	SP	Description
1-130-467-00	s	CAP, MYLAR 470pF 5% 50V
1-130-468-00	s	CAP, MYLAR 560pF 5% 50V
1-130-469-00	s	CAP, MYLAR 680pF 5% 50V
1-130-470-00	s	CAP, MYLAR 820pF 5% 50V
1-130-471-00	s	CAP, MYLAR 1000pF 5% 50V
1-130-472-00	s	CAP, MYLAR 1200pF 5% 50V
1-130-473-00	s	CAP, MYLAR 1500pF 5% 50V
1-130-474-00	s	CAP, MYLAR 1800pF 5% 50V
1-130-475-00	s	CAP, MYLAR 2200pF 5% 50V
1-130-476-00	s	CAP, MYLAR 2700pF 5% 50V
1-130-477-00	s	CAP, MYLAR 3300pF 5% 50V
1-130-478-00	s	CAP, MYLAR 3900pF 5% 50V
1-130-479-00	s	CAP, MYLAR 4700pF 5% 50V
1-130-480-00	s	CAP, MYLAR 5600pF 5% 50V
1-130-481-00	s	CAP, MYLAR 6800pF 5% 50V
1-130-482-00	s	CAP, MYLAR 8200pF 5% 50V
1-130-483-00	s	CAP, MYLAR 0.01 5% 50V
1-130-484-00	s	CAP, MYLAR 0.012 5% 50V
1-130-485-00	s	CAP, MYLAR 0.015 5% 50V
1-130-486-00	s	CAP, MYLAR 0.018 5% 50V
1-130-487-00	s	CAP, MYLAR 0.022 5% 50V
1-130-488-00	s	CAP, MYLAR 0.027 5% 50V
1-130-489-00	s	CAP, MYLAR 0.033 5% 50V
1-130-490-11	s	CAP, MYLAR 0.039 5% 50V
1-130-491-00	s	CAP, MYLAR 0.047 5% 50V
1-130-492-11	s	CAP, MYLAR 0.056 5% 50V
1-130-493-00	s	CAP, MYLAR 0.068 5% 50V
1-130-494-11	s	CAP, MYLAR 0.082 5% 50V
1-130-495-00	s	CAP, MYLAR 0.1 5% 50V
1-130-496-00	s	CAP, MYLAR 0.12 5% 50V
1-130-497-00	s	CAP, MYLAR 0.15 5% 50V
1-130-498-00	s	CAP, MYLAR 0.18 5% 50V
1-130-499-00	s	CAP, MYLAR 0.22 5% 50V
1-136-502-11	s	CAP, MYLAR 0.33 5% 50V

. TANTALUM

Part No.	SP	Description
1-131-396-11	s	CAP, TANTALUM 0.01 20% 35V
1-131-397-11	s	CAP, TANTALUM 0.015 20% 35V
1-131-398-11	s	CAP, TANTALUM 0.022 20% 35V
1-131-399-11	s	CAP, TANTALUM 0.033 20% 35V
1-131-400-11	s	CAP, TANTALUM 0.047 20% 35V
1-131-401-21	s	CAP, TANTALUM 0.068 10% 35V
1-131-341-21	s	CAP, TANTALUM 0.1 10% 35V
1-131-342-21	s	CAP, TANTALUM 0.15 10% 35V
1-131-343-21	s	CAP, TANTALUM 0.22 10% 35V
1-131-344-21	s	CAP, TANTALUM 0.33 10% 35V
1-131-412-11	s	CAP, TANTALUM 0.47 20% 20V
1-131-345-21	s	CAP, TANTALUM 0.47 10% 35V
1-131-410-11	s	CAP, TANTALUM 0.68 20% 25V
1-131-346-21	s	CAP, TANTALUM 0.68 10% 35V
1-131-413-11	s	CAP, TANTALUM 1.0 20% 20V
1-131-347-21	s	CAP, TANTALUM 1.0 10% 35V
1-131-416-11	s	CAP, TANTALUM 1.5 20% 16V
1-131-348-21	s	CAP, TANTALUM 1.5 10% 35V
1-131-419-11	s	CAP, TANTALUM 2.2 20% 10V
1-131-361-21	s	CAP, TANTALUM 2.2 10% 20V
1-131-349-21	s	CAP, TANTALUM 2.2 10% 35V
1-131-422-11	s	CAP, TANTALUM 3.3 20% 6.3V
1-131-368-21	s	CAP, TANTALUM 3.3 10% 16V
1-131-356-21	s	CAP, TANTALUM 3.3 10% 25V
1-131-350-21	s	CAP, TANTALUM 3.3 10% 35V
1-131-425-11	s	CAP, TANTALUM 4.7 20% 3.15V
1-131-375-21	s	CAP, TANTALUM 4.7 10% 10V
1-131-363-21	s	CAP, TANTALUM 4.7 10% 20V
1-131-351-21	s	CAP, TANTALUM 4.7 10% 35V
1-131-382-21	s	CAP, TANTALUM 6.8 10% 6.3V
1-131-370-21	s	CAP, TANTALUM 6.8 10% 16V
1-131-358-21	s	CAP, TANTALUM 6.8 10% 25V
1-131-352-21	s	CAP, TANTALUM 6.8 10% 35V
1-131-389-21	s	CAP, TANTALUM 10 10% 3.15V
1-131-377-21	s	CAP, TANTALUM 10 10% 10V
1-131-365-21	s	CAP, TANTALUM 10 10% 20V
1-131-353-21	s	CAP, TANTALUM 10 10% 35V
1-131-384-21	s	CAP, TANTALUM 15 10% 6.3V
1-131-372-21	s	CAP, TANTALUM 15 10% 16V
1-131-360-21	s	CAP, TANTALUM 15 10% 25V
1-131-391-21	s	CAP, TANTALUM 22 10% 3.15V
1-131-379-21	s	CAP, TANTALUM 22 10% 10V
1-131-367-21	s	CAP, TANTALUM 22 10% 20V
1-131-386-21	s	CAP, TANTALUM 33 10% 6.3V
1-131-374-21	s	CAP, TANTALUM 33 10% 16V
1-131-393-21	s	CAP, TANTALUM 47 10% 3.15V
1-131-381-21	s	CAP, TANTALUM 47 10% 10V
1-131-388-21	s	CAP, TANTALUM 68 10% 6.3V
1-131-395-21	s	CAP, TANTALUM 100 10% 3.15V

. ELECTROLYTIC

Part No.	SP	Description
1-124-902-00	s	CAP, ELECT 0.47 20% 50V
1-124-791-11	s	CAP, ELECT 1.0 20% 100V
1-124-925-11	s	CAP, ELECT 2.2 20% 100V
1-123-382-00	s	CAP, ELECT 3.3 20% 100V
1-124-927-00	s	CAP, ELECT 4.7 20% 100V
1-123-875-91	s	CAP, ELECT 10 20% 50V
1-124-915-11	s	CAP, ELECT 10 20% 63V
1-124-667-11	s	CAP, ELECT 10 20% 100V
1-124-908-11	s	CAP, ELECT 22 20% 50V
1-124-916-11	s	CAP, ELECT 22 20% 63V
1-124-929-11	s	CAP, ELECT 22 20% 100V
1-124-963-11	s	CAP, ELECT 33 20% 16V
1-124-482-11	s	CAP, ELECT 33 20% 35V
1-124-917-11	s	CAP, ELECT 33 20% 63V
1-124-930-11	s	CAP, ELECT 33 20% 100V
1-124-446-11	s	CAP, ELECT 47 20% 10V
1-124-477-11	s	CAP, ELECT 47 20% 25V
1-124-910-11	s	CAP, ELECT 47 20% 50V
1-124-918-11	s	CAP, ELECT 47 20% 63V
1-124-931-11	s	CAP, ELECT 47 20% 100V
1-124-443-00	s	CAP, ELECT 100 20% 10V
1-126-101-11	s	CAP, ELECT 100 20% 16V
1-124-478-11	s	CAP, ELECT 100 20% 25V
1-124-122-11	s	CAP, ELECT 100 20% 50V
1-124-572-11	s	CAP, ELECT 100 20% 63V
1-123-605-00	s	CAP, ELECT 100 20% 100V
1-124-444-00	s	CAP, ELECT 220 20% 10V
1-124-120-11	s	CAP, ELECT 220 20% 25V
1-124-484-11	s	CAP, ELECT 220 20% 35V
1-124-911-11	s	CAP, ELECT 220 20% 50V
1-124-919-51	s	CAP, ELECT 220 20% 63V
1-124-628-11	s	CAP, ELECT 220 20% 100V
1-124-442-00	s	CAP, ELECT 330 20% 6.3V
1-124-604-00	s	CAP, ELECT 330 20% 10V
1-124-119-00	s	CAP, ELECT 330 20% 16V
1-124-479-11	s	CAP, ELECT 330 20% 25V
1-124-485-11	s	CAP, ELECT 330 20% 35V
1-124-912-11	s	CAP, ELECT 330 20% 50V
1-124-472-11	s	CAP, ELECT 470 20% 10V
1-124-475-11	s	CAP, ELECT 470 20% 16V
1-124-480-11	s	CAP, ELECT 470 20% 25V
1-126-104-11	s	CAP, ELECT 470 20% 35V
1-124-913-11	s	CAP, ELECT 470 20% 50V
1-124-921-11	s	CAP, ELECT 470 20% 63V
1-124-471-00	s	CAP, ELECT 1000 20% 6.3V
1-124-473-11	s	CAP, ELECT 1000 20% 10V
1-124-555-00	s	CAP, ELECT 1000 20% 16V
1-124-557-11	s	CAP, ELECT 1000 20% 25V
1-126-105-11	s	CAP, ELECT 1000 20% 35V
1-124-637-11	s	CAP, ELECT 1000 20% 50V
1-124-922-11	s	CAP, ELECT 1000 20% 63V
1-124-893-11	s	CAP, ELECT 2200 20% 10V
1-124-556-11	s	CAP, ELECT 2200 20% 16V
1-124-563-11	s	CAP, ELECT 2200 20% 25V
1-124-618-11	s	CAP, ELECT 2200 20% 35V
1-124-607-11	s	CAP, ELECT 2200 20% 50V
1-124-621-11	s	CAP, ELECT 3300 20% 6.3V
1-124-887-00	s	CAP, ELECT 3300 20% 16V
1-124-636-00	s	CAP, ELECT 3300 20% 25V
1-124-762-00	s	CAP, ELECT 4700 20% 10V
1-124-898-11	s	CAP, ELECT 4700 20% 16V
1-124-564-11	s	CAP, ELECT 4700 20% 25V
1-124-891-11	s	CAP, ELECT 10000 20% 6.3V
1-124-763-00	s	CAP, ELECT 10000 20% 10V

. MICA, SILVERED

Part No.	SP	Description
1-107-019-00	s	CAP, MICA 1.0pF ±0.5pF 500V
1-107-039-00	s	CAP, MICA 1.2pF ±0.5pF 500V
1-107-040-00	s	CAP, MICA 1.5pF ±0.5pF 500V
1-107-041-00	s	CAP, MICA 1.8pF ±0.5pF 500V
1-107-042-00	s	CAP, MICA 2.2pF ±0.5pF 500V
1-107-043-00	s	CAP, MICA 2.7pF ±0.5pF 500V
1-107-044-00	s	CAP, MICA 3.3pF ±0.5pF 500V
1-107-045-00	s	CAP, MICA 3.9pF ±0.5pF 500V
1-107-046-00	s	CAP, MICA 4.7pF ±0.5pF 500V
1-107-026-00	s	CAP, MICA 5.1pF ±0.5pF 500V
1-107-047-00	s	CAP, MICA 5.6pF ±0.5pF 500V
1-107-048-00	s	CAP, MICA 6.8pF ±0.5pF 500V
1-107-049-00	s	CAP, MICA 8.2pF ±0.5pF 500V
1-107-202-00	s	CAP, MICA 10pF 5% 500V
1-107-203-00	s	CAP, MICA 11pF 5% 500V
1-107-204-00	s	CAP, MICA 12pF 5% 500V
1-107-205-00	s	CAP, MICA 13pF 5% 500V
1-107-206-00	s	CAP, MICA 15pF 5% 500V
1-107-207-00	s	CAP, MICA 16pF 5% 500V
1-107-208-00	s	CAP, MICA 18pF 5% 500V
1-107-209-00	s	CAP, MICA 20pF 5% 500V
1-107-210-00	s	CAP, MICA 22pF 5% 500V
1-107-211-00	s	CAP, MICA 24pF 5% 500V
1-107-157-00	s	CAP, MICA 27pF 5% 500V
1-107-158-00	s	CAP, MICA 30pF 5% 500V
1-107-159-00	s	CAP, MICA 33pF 5% 500V
1-107-074-00	s	CAP, MICA 36pF 5% 50V
1-107-075-00	s	CAP, MICA 39pF 5% 50V
1-107-076-00	s	CAP, MICA 43pF 5% 50V
1-107-077-00	s	CAP, MICA 47pF 5% 50V
1-107-164-00	s	CAP, MICA 51pF 5% 500V
1-107-165-00	s	CAP, MICA 56pF 5% 500V
1-107-166-00	s	CAP, MICA 62pF 5% 500V
1-107-036-00	s	CAP, MICA 68pF 5% 500V
1-107-167-00	s	CAP, MICA 75pF 5% 500V
1-107-083-00	s	CAP, MICA 82pF 5% 50V
1-107-084-00	s	CAP, MICA 91pF 5% 50V
1-107-085-00	s	CAP, MICA 100pF 5% 50V
1-107-086-00	s	CAP, MICA 110pF 5% 50V
1-107-087-00	s	CAP, MICA 120pF 5% 50V
1-109-538-00	s	CAP, MICA 130pF 5% 100V
1-109-539-00	s	CAP, MICA 150pF 5% 100V
1-107-090-00	s	CAP, MICA 160pF 5% 50V
1-109-540-00	s	CAP, MICA 180pF 5% 100V
1-109-541-00	s	CAP, MICA 200pF 5% 100V
1-109-542-00	s	CAP, MICA 220pF 5% 100V
1-109-545-00	s	CAP, MICA 270pF 5% 100V
1-109-547-00	s	CAP, MICA 330pF 5% 100V
1-109-549-00	s	CAP, MICA 390pF 5% 100V
1-109-633-00	s	CAP, MICA 470pF 2% 500V
1-109-555-00	s	CAP, MICA 560pF 5% 100V
1-109-635-00	s	CAP, MICA 470pF 2% 500V

INDUCTOR

. MICRO

Part No.	SP	Description
1-408-397-00	s	INDUCTOR, MICRO 1.0 5%
1-408-399-00	s	INDUCTOR, MICRO 1.5 5%
1-408-400-00	s	INDUCTOR, MICRO 1.8 5%
1-408-401-00	s	INDUCTOR, MICRO 2.2 5%
1-408-403-00	s	INDUCTOR, MICRO 3.3 5%
1-408-404-00	s	INDUCTOR, MICRO 3.9 5%
1-408-405-00	s	INDUCTOR, MICRO 4.7 5%
1-408-406-00	s	INDUCTOR, MICRO 5.6 5%
1-408-407-00	s	INDUCTOR, MICRO 6.8 5%
1-408-408-00	s	INDUCTOR, MICRO 8.2 5%
1-408-409-00	s	INDUCTOR, MICRO 10 5%
1-408-410-00	s	INDUCTOR, MICRO 12 5%
1-408-411-00	s	INDUCTOR, MICRO 15 5%
1-408-412-00	s	INDUCTOR, MICRO 18 5%
1-408-413-00	s	INDUCTOR, MICRO 22 5%
1-408-414-00	s	INDUCTOR, MICRO 27 5%
1-408-415-00	s	INDUCTOR, MICRO 33 5%
1-408-416-00	s	INDUCTOR, MICRO 39 5%
1-408-417-00	s	INDUCTOR, MICRO 47 5%
1-408-418-00	s	INDUCTOR, MICRO 56 5%
1-408-419-00	s	INDUCTOR, MICRO 68 5%
1-408-420-00	s	INDUCTOR, MICRO 82 5%
1-408-421-00	s	INDUCTOR, MICRO 100 5%
1-408-422-00	s	INDUCTOR, MICRO 120 5%
1-408-423-00	s	INDUCTOR, MICRO 150 5%
1-408-424-00	s	INDUCTOR, MICRO 180 5%
1-408-425-00	s	INDUCTOR, MICRO 220 5%
1-408-426-00	s	INDUCTOR, MICRO 270 5%
1-408-427-00	s	INDUCTOR, MICRO 330 5%
1-408-428-00	s	INDUCTOR, MICRO 390 5%
1-408-429-00	s	INDUCTOR, MICRO 470 5%
1-410-116-11	s	INDUCTOR, MICRO 560 5%
1-410-492-11	s	INDUCTOR, MICRO 680 5%
1-410-493-11	s	INDUCTOR, MICRO 820 5%
1-410-494-11	s	INDUCTOR, MICRO 1000 5%

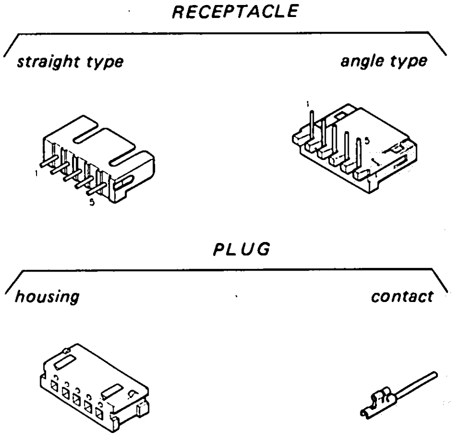
RESISTOR

. CARBON

Part No.	SP	Description
1-249-381-11	s	RES, CARBON 1.0 5% 1/6W
1-249-382-11	s	RES, CARBON 1.2 5% 1/6W
1-249-383-11	s	RES, CARBON 1.5 5% 1/6W
1-249-384-11	s	RES, CARBON 1.8 5% 1/6W
1-249-385-11	s	RES, CARBON 2.2 5% 1/6W
1-249-386-11	s	RES, CARBON 2.7 5% 1/6W
1-249-387-11	s	RES, CARBON 3.3 5% 1/6W
1-249-388-11	s	RES, CARBON 3.9 5% 1/6W
1-249-389-11	s	RES, CARBON 4.7 5% 1/6W
1-249-390-11	s	RES, CARBON 5.6 5% 1/6W
1-249-391-11	s	RES, CARBON 6.8 5% 1/6W
1-249-392-11	s	RES, CARBON 8.2 5% 1/6W
1-249-393-11	s	RES, CARBON 10 5% 1/6W
1-249-394-11	s	RES, CARBON 12 5% 1/6W
1-249-395-11	s	RES, CARBON 15 5% 1/6W
1-249-396-11	s	RES, CARBON 18 5% 1/6W
1-249-397-11	s	RES, CARBON 22 5% 1/6W
1-249-398-11	s	RES, CARBON 27 5% 1/6W
1-249-399-11	s	RES, CARBON 33 5% 1/6W
1-249-400-11	s	RES, CARBON 39 5% 1/6W
1-249-401-11	s	RES, CARBON 47 5% 1/6W
1-249-402-11	s	RES, CARBON 56 5% 1/6W
1-249-403-11	s	RES, CARBON 68 5% 1/6W
1-215-394-00	s	RES, METAL 75 1% 1/6W
1-249-404-11	s	RES, CARBON 82 5% 1/6W
1-249-405-11	s	RES, CARBON 100 5% 1/6W
1-249-406-11	s	RES, CARBON 120 5% 1/6W
1-249-407-11	s	RES, CARBON 150 5% 1/6W
1-249-408-11	s	RES, CARBON 180 5% 1/6W
1-249-409-11	s	RES, CARBON 220 5% 1/6W
1-249-410-11	s	RES, CARBON 270 5% 1/6W
1-249-411-11	s	RES, CARBON 330 5% 1/6W
1-249-412-11	s	RES, CARBON 390 5% 1/6W
1-249-413-11	s	RES, CARBON 470 5% 1/6W
1-249-414-11	s	RES, CARBON 560 5% 1/6W
1-249-415-11	s	RES, CARBON 680 5% 1/6W
1-249-416-11	s	RES, CARBON 820 5% 1/6W
1-249-417-11	s	RES, CARBON 1.0k 5% 1/6W
1-249-418-11	s	RES, CARBON 1.2k 5% 1/6W
1-249-419-11	s	RES, CARBON 1.5k 5% 1/6W
1-249-420-11	s	RES, CARBON 1.8k 5% 1/6W
1-249-421-11	s	RES, CARBON 2.2k 5% 1/6W
1-249-422-11	s	RES, CARBON 2.7k 5% 1/6W
1-249-423-11	s	RES, CARBON 3.3k 5% 1/6W
1-249-424-11	s	RES, CARBON 3.9k 5% 1/6W
1-249-425-11	s	RES, CARBON 4.7k 5% 1/6W
1-249-426-11	s	RES, CARBON 5.6k 5% 1/6W
1-249-427-11	s	RES, CARBON 6.8k 5% 1/6W
1-249-428-11	s	RES, CARBON 8.2k 5% 1/6W
1-249-429-11	s	RES, CARBON 10k 5% 1/6W
1-249-430-11	s	RES, CARBON 12k 5% 1/6W
1-249-431-11	s	RES, CARBON 15k 5% 1/6W
1-249-432-11	s	RES, CARBON 18k 5% 1/6W
1-249-433-11	s	RES, CARBON 22k 5% 1/6W
1-249-434-11	s	RES, CARBON 27k 5% 1/6W
1-249-435-11	s	RES, CARBON 33k 5% 1/6W
1-249-436-11	s	RES, CARBON 39k 5% 1/6W
1-249-437-11	s	RES, CARBON 47k 5% 1/6W
1-249-438-11	s	RES, CARBON 56k 5% 1/6W
1-249-439-11	s	RES, CARBON 68k 5% 1/6W
1-249-440-11	s	RES, CARBON 82k 5% 1/6W
1-249-441-11	s	RES, CARBON 100k 5% 1/6W
1-215-471-00	s	RES, METAL 120k 1% 1/6W
1-215-473-00	s	RES, METAL 150k 1% 1/6W
1-215-475-00	s	RES, METAL 180k 1% 1/6W
1-215-477-00	s	RES, METAL 220k 1% 1/6W
1-215-479-00	s	RES, METAL 270k 1% 1/6W
1-215-481-00	s	RES, METAL 330k 1% 1/6W
1-215-483-00	s	RES, METAL 390k 1% 1/6W
1-215-485-00	s	RES, METAL 470k 1% 1/6W
1-215-487-00	s	RES, METAL 560k 1% 1/6W
1-215-489-00	s	RES, METAL 680k 1% 1/6W
1-215-491-00	s	RES, METAL 820k 1% 1/6W
1-215-493-00	s	RES, METAL 1.0M 1% 1/6W

Part No.	SP	Description
. METAL		
1-215-373-31	s	RES, METAL 10 1% 1/6W
1-215-374-00	s	RES, METAL 11 1% 1/6W
1-215-375-00	s	RES, METAL 12 1% 1/6W
1-215-376-00	s	RES, METAL 13 1% 1/6W
1-215-377-00	s	RES, METAL 15 1% 1/6W
1-215-378-00	s	RES, METAL 16 1% 1/6W
1-215-379-00	s	RES, METAL 18 1% 1/6W
1-215-380-00	s	RES, METAL 20 1% 1/6W
1-215-381-00	s	RES, METAL 22 1% 1/6W
1-215-382-00	s	RES, METAL 24 1% 1/6W
1-215-383-00	s	RES, METAL 27 1% 1/6W
1-215-384-00	s	RES, METAL 30 1% 1/6W
1-215-385-00	s	RES, METAL 33 1% 1/6W
1-215-386-00	s	RES, METAL 36 1% 1/6W
1-215-387-00	s	RES, METAL 39 1% 1/6W
1-215-388-00	s	RES, METAL 43 1% 1/6W
1-215-389-00	s	RES, METAL 47 1% 1/6W
1-215-390-00	s	RES, METAL 51 1% 1/6W
1-215-391-00	s	RES, METAL 56 1% 1/6W
1-215-392-00	s	RES, METAL 62 1% 1/6W
1-215-393-00	s	RES, METAL 68 1% 1/6W
1-215-394-00	s	RES, METAL 75 1% 1/6W
1-215-395-00	s	RES, METAL 82 1% 1/6W
1-215-396-00	s	RES, METAL 91 1% 1/6W
1-215-397-00	s	RES, METAL 100 1% 1/6W
1-215-398-00	s	RES, METAL 110 1% 1/6W
1-215-399-00	s	RES, METAL 120 1% 1/6W
1-215-400-00	s	RES, METAL 130 1% 1/6W
1-215-401-00	s	RES, METAL 150 1% 1/6W
1-215-402-00	s	RES, METAL 160 1% 1/6W
1-215-403-00	s	RES, METAL 180 1% 1/6W
1-215-404-00	s	RES, METAL 200 1% 1/6W
1-215-405-00	s	RES, METAL 220 1% 1/6W
1-215-406-00	s	RES, METAL 240 1% 1/6W
1-215-407-00	s	RES, METAL 270 1% 1/6W
1-215-408-00	s	RES, METAL 300 1% 1/6W
1-215-409-00	s	RES, METAL 330 1% 1/6W
1-215-410-00	s	RES, METAL 360 1% 1/6W
1-215-411-00	s	RES, METAL 390 1% 1/6W
1-215-412-00	s	RES, METAL 430 1% 1/6W
1-215-413-00	s	RES, METAL 470 1% 1/6W
1-215-414-00	s	RES, METAL 510 1% 1/6W
1-215-415-00	s	RES, METAL 560 1% 1/6W
1-215-416-00	s	RES, METAL 620 1% 1/6W
1-215-417-00	s	RES, METAL 680 1% 1/6W
1-215-418-00	s	RES, METAL 750 1% 1/6W
1-215-419-00	s	RES, METAL 820 1% 1/6W
1-215-420-00	s	RES, METAL 910 1% 1/6W
1-215-421-00	s	RES, METAL 1.0k 1% 1/6W
1-215-422-00	s	RES, METAL 1.1k 1% 1/6W
1-215-423-00	s	RES, METAL 1.2k 1% 1/6W
1-215-424-00	s	RES, METAL 1.3k 1% 1/6W
1-215-425-00	s	RES, METAL 1.5k 1% 1/6W
1-215-426-00	s	RES, METAL 1.6k 1% 1/6W
1-215-427-00	s	RES, METAL 1.8k 1% 1/6W
1-215-428-00	s	RES, METAL 2.0k 1% 1/6W
1-215-429-00	s	RES, METAL 2.2k 1% 1/6W
1-215-430-00	s	RES, METAL 2.4k 1% 1/6W
1-215-431-00	s	RES, METAL 2.7k 1% 1/6W
1-215-432-00	s	RES, METAL 3.0k 1% 1/6W
1-215-433-00	s	RES, METAL 3.3k 1% 1/6W
1-215-434-00	s	RES, METAL 3.6k 1% 1/6W
1-215-435-00	s	RES, METAL 3.9k 1% 1/6W
1-215-436-00	s	RES, METAL 4.3k 1% 1/6W
1-215-437-00	s	RES, METAL 4.7k 1% 1/6W
1-215-438-00	s	RES, METAL 5.1k 1% 1/6W
1-215-439-00	s	RES, METAL 5.6k 1% 1/6W
1-215-440-00	s	RES, METAL 6.2k 1% 1/6W
1-215-441-00	s	RES, METAL 6.8k 1% 1/6W
1-215-442-00	s	RES, METAL 7.5k 1% 1/6W
1-215-443-00	s	RES, METAL 8.2k 1% 1/6W
1-215-444-00	s	RES, METAL 9.1k 1% 1/6W
1-215-445-00	s	RES, METAL 10k 1% 1/6W
1-215-446-00	s	RES, METAL 11k 1% 1/6W
1-215-447-00	s	RES, METAL 12k 1% 1/6W
1-215-448-00	s	RES, METAL 13k 1% 1/6W
1-215-449-00	s	RES, METAL 15k 1% 1/6W
1-215-450-00	s	RES, METAL 16k 1% 1/6W
1-215-451-00	s	RES, METAL 18k 1% 1/6W
1-215-452-00	s	RES, METAL 20k 1% 1/6W
1-215-453-00	s	RES, METAL 22k 1% 1/6W
1-215-454-00	s	RES, METAL 24k 1% 1/6W
1-215-455-00	s	RES, METAL 27k 1% 1/6W
1-215-456-00	s	RES, METAL 30k 1% 1/6W
1-215-457-00	s	RES, METAL 33k 1% 1/6W
1-215-458-00	s	RES, METAL 36k 1% 1/6W
1-215-459-00	s	RES, METAL 39k 1% 1/6W
1-215-460-00	s	RES, METAL 43k 1% 1/6W
1-215-461-00	s	RES, METAL 47k 1% 1/6W
1-215-462-00	s	RES, METAL 51k 1% 1/6W
1-215-463-00	s	RES, METAL 56k 1% 1/6W
1-215-464-00	s	RES, METAL 62k 1% 1/6W
1-215-465-00	s	RES, METAL 68k 1% 1/6W
1-215-466-00	s	RES, METAL 75k 1% 1/6W
1-215-467-00	s	RES, METAL 82k 1% 1/6W
1-215-468-00	s	RES, METAL 91k 1% 1/6W
1-215-469-00	s	RES, METAL 100k 1% 1/6W
1-215-470-00	s	RES, METAL 110k 1% 1/6W
1-215-471-00	s	RES, METAL 120k 1% 1/6W
1-215-472-00	s	RES, METAL 130k 1% 1/6W
1-215-473-00	s	RES, METAL 150k 1% 1/6W
1-215-474-00	s	RES, METAL 160k 1% 1/6W
1-215-475-00	s	RES, METAL 180k 1% 1/6W
1-215-476-00	s	RES, METAL 200k 1% 1/6W
1-215-477-00	s	RES, METAL 220k 1% 1/6W
1-215-478-00	s	RES, METAL 240k 1% 1/6W
1-215-479-00	s	RES, METAL 270k 1% 1/6W
1-215-480-00	s	RES, METAL 300k 1% 1/6W
1-215-481-00	s	RES, METAL 330k 1% 1/6W
1-215-482-00	s	RES, METAL 360k 1% 1/6W
1-215-483-00	s	RES, METAL 390k 1% 1/6W
1-215-484-00	s	RES, METAL 430k 1% 1/6W
1-215-485-00	s	RES, METAL 470k 1% 1/6W
1-215-486-00	s	RES, METAL 510k 1% 1/6W
1-215-487-00	s	RES, METAL 560k 1% 1/6W
1-215-488-00	s	RES, METAL 620k 1% 1/6W
1-215-489-00	s	RES, METAL 680k 1% 1/6W
1-215-490-00	s	RES, METAL 750k 1% 1/6W
1-215-491-00	s	RES, METAL 820k 1% 1/6W
1-215-492-00	s	RES, METAL 910k 1% 1/6W
1-215-493-00	s	RES, METAL 1.0M 1% 1/6W

Part No.	SP	Description
CONNECTOR		
1-564-001-11	o	RECEPTACLE 2P MALE (STRAIGHT TYPE)
1-564-012-11	o	RECEPTACLE 2P MALE (ANGLE TYPE)
1-562-147-11	o	HOUSING 2P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-002-11	o	RECEPTACLE 3P MALE (STRAIGHT TYPE)
1-564-013-11	o	RECEPTACLE 3P MALE (ANGLE TYPE)
1-562-148-11	o	HOUSING 3P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-003-11	o	RECEPTACLE 4P MALE (STRAIGHT TYPE)
1-564-014-11	o	RECEPTACLE 4P MALE (ANGLE TYPE)
1-562-149-11	o	HOUSING 4P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-004-11	o	RECEPTACLE 5P MALE (STRAIGHT TYPE)
1-564-015-11	o	RECEPTACLE 5P MALE (ANGLE TYPE)
1-562-150-11	o	HOUSING 5P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-005-11	o	RECEPTACLE 6P MALE (STRAIGHT TYPE)
1-564-016-11	o	RECEPTACLE 6P MALE (ANGLE TYPE)
1-562-151-11	o	HOUSING 6P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-006-11	o	RECEPTACLE 7P MALE (STRAIGHT TYPE)
1-564-017-11	o	RECEPTACLE 7P MALE (ANGLE TYPE)
1-562-152-11	o	HOUSING 7P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-007-11	o	RECEPTACLE 8P MALE (STRAIGHT TYPE)
1-564-018-11	o	RECEPTACLE 8P MALE (ANGLE TYPE)
1-562-153-11	o	HOUSING 8P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-008-41	o	RECEPTACLE 9P MALE (STRAIGHT TYPE)
1-564-019-11	o	RECEPTACLE 9P MALE (ANGLE TYPE)
1-562-154-11	o	HOUSING 9P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-009-11	o	RECEPTACLE 10P MALE (STRAIGHT TYPE)
1-564-020-11	o	RECEPTACLE 10P MALE (ANGLE TYPE)
1-562-155-11	o	HOUSING 10P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-010-21	o	RECEPTACLE 11P MALE (STRAIGHT TYPE)
1-564-021-11	o	RECEPTACLE 11P MALE (ANGLE TYPE)
1-562-156-11	o	HOUSING 11P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-011-11	o	RECEPTACLE 12P MALE (STRAIGHT TYPE)
1-564-022-11	o	RECEPTACLE 12P MALE (ANGLE TYPE)
1-562-157-11	o	HOUSING 12P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-683-11	o	RECEPTACLE 13P MALE (STRAIGHT TYPE)
1-564-743-11	o	RECEPTACLE 13P MALE (ANGLE TYPE)
1-562-627-11	o	HOUSING 13P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-069-11	o	RECEPTACLE 14P MALE (STRAIGHT TYPE)
1-564-630-11	o	RECEPTACLE 14P MALE (ANGLE TYPE)
1-562-185-11	o	HOUSING 14P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32
1-564-855-11	o	RECEPTACLE 15P MALE (STRAIGHT TYPE)
1-564-877-11	o	RECEPTACLE 15P MALE (ANGLE TYPE)
1-562-958-11	o	HOUSING 15P
1-564-026-21	o	CONTACT AWG24-30
1-564-681-21	o	CONTACT AWG32



AC-78 BOARD

Ref No.	Parts No.	SP	Description
5)	1-622-704-11	o	PRINTED CIRCUIT BOARD, AC-78
6)	1-622-704-12	o	PRINTED CIRCUIT BOARD, AC-78
⚠	1-533-189-11	o	HOLDER, FUSE
	1-533-189-11	o	HOLDER, FUSE
⚠C1	1-136-185-00	s	FILM 0.22 20% 250V
C2	1-161-741-00	s	CERAMIC 0.001 10% 400V
C3	1-161-741-00	s	CERAMIC 0.001 10% 400V
C4	1-161-741-00	s	CERAMIC 0.001 10% 400V
⚠CN950	1-564-241-00	o	PIN, 4P
	1-562-285-11	o	HOUSING, 4P
CN951	1-564-243-00	o	PIN, 6P
	1-562-287-11	o	HOUSING, 6P
CN952	1-564-242-11	o	PIN, 5P
	1-562-286-11	o	HOUSING, 5P
⚠F1	1-532-746-11	s	FUSE, GLASS TUBE 4A
⚠R1	1-244-945-00	s	CARBON 1M 5% 1/2W

AU-83 BOARD

This board includes the DUS-71 board.

Ref No.	Parts No.	SP	Description
	A-6713-284-A	o	MOUNTED CIRCUIT BOARD, AU-83
	1-564-548-11	o	PIN, BOARD TO BOARD 5P (AU-83 to DUS-71)
C1	1-123-332-00	s	ELECT 47 20% 16V
C2	1-109-681-61	s	MICA 220PF 5% 500V
C3	1-162-289-31	s	CERAMIC 390PF 10% 50V
C5	1-131-351-00	s	TANTALUM 4.7 10% 25V
C6	1-131-358-00	s	TANTALUM 6.8 10% 25V
C10	1-162-286-31	s	CERAMIC 220PF 10% 50V
C11	1-162-207-31	s	CERAMIC 22PF 5% 50V
C14	1-131-348-00	s	TANTALUM 1.5 20% 25V
C26	1-131-373-00	s	TANTALUM 22 10% 16V
C32	1-131-342-00	s	TANTALUM 0.15 10% 35V
C37	1-162-207-31	s	CERAMIC 22PF 5% 50V
C46	1-124-927-11	s	ELECT 4.7 20% 50V
C47	1-123-332-00	s	ELECT 47 20% 16V
C48	1-131-351-00	s	TANTALUM 4.7 10% 25V
C52	1-162-207-31	s	CERAMIC 22PF 5% 50V
C55	1-131-365-00	s	TANTALUM 10 10% 16V
C57	1-162-294-31	s	CERAMIC 0.001 10% 50V
C60	1-131-373-00	s	TANTALUM 22 10% 16V
C61	1-162-207-31	s	CERAMIC 22PF 5% 50V
C64	1-124-927-11	s	ELECT 4.7 20% 50V
C65	1-131-349-00	s	TANTALUM 2.2 10% 35V
C66	1-131-373-00	s	TANTALUM 22 10% 16V
2) C69	1-162-288-31	s	CERAMIC 330PF 10% 50V
C80	1-124-445-00	s	ELECT 100 20% 16V
C81	1-124-445-00	s	ELECT 100 20% 16V
C82	1-124-445-00	s	ELECT 100 20% 16V
C83	1-124-445-00	s	ELECT 100 20% 16V
C100	1-124-445-00	s	ELECT 100 20% 16V
C101	1-161-379-00	s	CERAMIC 0.01 30% 16V
C102	1-124-445-00	s	ELECT 100 20% 16V
C103	1-161-379-00	s	CERAMIC 0.01 30% 16V
CN4	1-566-258-11	o	BOARD TO BOARD 12P (AU-83 to HN-77)
CN5	1-566-258-11	o	BOARD TO BOARD 12P (AU-83 to HN-77)
CN6	1-566-258-11	o	BOARD TO BOARD 12P (AU-83 to HN-77)
CP1	1-236-010-11	s	FILTER, LOW PASS
CP2	1-236-010-11	s	FILTER, LOW PASS
D1	8-719-901-33	s	1SS133
D2	8-719-901-33	s	1SS133
D3	8-719-109-91	s	RD6.2ES-B
D4	8-719-901-33	s	1SS133
D5	8-719-109-91	s	RD6.2ES-B
D6	8-719-901-33	s	1SS133
D7	8-719-901-33	s	1SS133
D8	8-719-200-02	s	10E-2
D9	8-719-200-02	s	10E-2
D10	8-719-901-33	s	1SS133
D11	8-719-901-33	s	1SS133
D14	8-719-901-33	s	1SS133
D15	8-719-901-33	s	1SS133
D16	8-719-901-33	s	1SS133
D19	8-719-901-33	s	1SS133
IC1	8-759-981-57	s	RC2043D-D(RAYTHEON)
IC2	8-759-981-96	s	RC4560D(RAYTHEON)
IC3	8-749-900-86	s	BX-1469L(SONY)
IC4	8-759-981-91	s	RC4558D(RAYTHEON)
7)IC5	8-759-145-58	s	UPC4558C(JRC)
8)IC5	8-759-981-90	s	RC4558D-D(RAYTHEON)
IC6	8-759-981-96	s	RC4560D(RAYTHEON)
37)IC7	8-720-002-92	s	TX-429M(SONY)
38)IC7	8-766-001-49	s	TX-429M(SONY)
37)IC8	8-720-002-92	s	TX-429M(SONY)
38)IC8	8-766-001-49	s	TX-429M(SONY)
IC11	8-759-982-02	s	RC4562D-D(RAYTHEON)
LV1	1-407-305-00	s	MICRO 22mH
LV2	1-407-307-00	s	MICRO 35mH
LV3	1-407-305-00	s	MICRO 22mH
LV4	1-407-305-00	s	MICRO 22mH
LV5	1-459-512-00	s	VAR 20mH
Q1	8-729-178-55	s	2SC2785E
Q2	8-729-178-55	s	2SC2785E
Q3	8-729-117-54	s	2SA1175
Q4	8-729-201-05	s	2SC2878-B
Q5	8-729-178-54	s	2SC2785

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
Q6	8-729-105-72	s	2SK523-L1
Q7	8-729-178-54	s	2SC2785
Q8	8-729-117-54	s	2SA1175
Q9	8-729-900-65	s	DTA144ES
Q10	8-729-178-54	s	2SC2785
Q11	8-729-178-54	s	2SC2785
Q14	8-729-117-54	s	2SA1175
Q15	8-729-178-54	s	2SC2785
Q16	8-729-178-54	s	2SC2785
Q17	8-729-900-89	s	DTC144ES
Q18	8-729-178-54	s	2SC2785
Q19	8-729-201-05	s	2SC2878-B
Q20	8-729-178-54	s	2SC2785
Q21	8-729-178-54	s	2SC2785
Q22	8-729-178-54	s	2SC2785
Q23	8-729-178-54	s	2SC2785
Q24	8-729-117-54	s	2SA1175
Q25	8-729-201-05	s	2SC2878-B
Q26	8-729-900-89	s	DTC144ES
Q27	8-729-900-65	s	DTA144ES
Q28	8-729-900-89	s	DTC144ES
Q29	8-729-201-05	s	2SC2878-B
Q30	8-729-117-54	s	2SA1175
Q31	8-729-178-54	s	2SC2785
Q32	8-729-900-65	s	DTA144ES
Q33	8-729-900-89	s	DTC144ES
R12	1-247-883-00	s	CARBON 150k 5% 1/6W
R17	1-249-404-00	s	CARBON 82 5% 1/6W
R18	1-247-883-00	s	CARBON 150k 5% 1/6W
R22	1-247-887-00	s	CARBON 220k 5% 1/6W
R57	1-247-883-00	s	CARBON 150k 5% 1/6W
R65	1-247-887-00	s	CARBON 220k 5% 1/6W
R84	1-247-883-00	s	CARBON 150k 5% 1/6W
R86	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R94	1-247-883-00	s	CARBON 150k 5% 1/6W
R109	1-247-895-00	s	CARBON 470k 5% 1/6W
R115	1-247-887-00	s	CARBON 220k 5% 1/6W
R138	1-247-885-00	s	CARBON 180k 5% 1/6W
R140	1-247-885-00	s	CARBON 180k 5% 1/6W
R142	1-247-883-00	s	CARBON 150k 5% 1/6W
R143	1-247-883-00	s	CARBON 150k 5% 1/6W
RV1	1-228-993-00	s	VAR, CARBON 4.7k
RV2	1-228-993-00	s	VAR, CARBON 4.7k
RV3	1-228-998-00	s	VAR, CARBON 220k
RV4	1-228-993-00	s	VAR, CARBON 4.7k
RV5	1-228-996-00	s	VAR, CARBON 47k
RV6	1-230-720-11	s	VAR, CARBON 4.7k
RV7	1-228-996-00	s	VAR, CARBON 47k
RV8	1-230-496-11	s	VAR, CARBON 10k
RV9	1-230-500-11	s	VAR, CARBON 220k
RV10	1-230-720-11	s	VAR, CARBON 4.7k
RV11	1-230-720-11	s	VAR, CARBON 4.7k
RV12	1-230-719-11	s	VAR, CARBON 2.2k
T1	1-427-284-00	s	OUTPUT

Ref No.	Parts No.	SP	Description

AU-84 BOARD

This board includes the DUS-71 and HN-77 boards.

Ref No.	Parts No.	SP	Description
	A-6713-285-A	o	MOUNTED CIRCUIT BOARD, AU-84
	1-564-548-11	o	PIN, BOARD TO BOARD 5P (AU-84 to DUS-71)
C1	1-123-332-00	s	ELECT 47 20% 16V
C2	1-109-681-61	s	MICA 220PF 5% 500V
C3	1-162-289-31	s	CERAMIC 390PF 10% 50V
C5	1-131-351-00	s	TANTALUM 4.7 10% 25V
C6	1-131-358-00	s	TANTALUM 6.8 10% 25V
C10	1-162-286-31	s	CERAMIC 220PF 10% 50V
C11	1-162-207-31	s	CERAMIC 22PF 5% 50V
C14	1-131-348-00	s	TANTALUM 1.5 20% 25V
C26	1-131-373-00	s	TANTALUM 22 10% 16V
C32	1-131-342-00	s	TANTALUM 0.15 10% 35V
C34	1-124-445-00	s	ELECT 100 20% 16V
C37	1-162-207-31	s	CERAMIC 22PF 5% 50V
C46	1-124-927-11	s	ELECT 4.7 20% 50V
C47	1-123-332-00	s	ELECT 47 20% 16V
C48	1-131-351-00	s	TANTALUM 4.7 10% 25V
C52	1-162-207-31	s	CERAMIC 22PF 5% 50V
C55	1-131-365-00	s	TANTALUM 10 10% 16V
C57	1-162-294-31	s	CERAMIC 0.001 10% 50V
C60	1-131-373-00	s	TANTALUM 22 10% 16V
C61	1-162-207-31	s	CERAMIC 22PF 5% 50V
C64	1-124-927-11	s	ELECT 4.7 20% 50V
C65	1-131-361-00	s	TANTALUM 2.2 10% 20V
C66	1-131-373-00	s	TANTALUM 22 10% 16V
C73	1-126-103-11	s	ELECT 470 20% 16V
C74	1-126-103-11	s	ELECT 470 20% 16V
C75	1-124-445-00	s	ELECT 100 20% 16V
C76	1-124-445-00	s	ELECT 100 20% 16V
C77	1-124-445-00	s	ELECT 100 20% 16V
C78	1-124-445-00	s	ELECT 100 20% 16V
2) C81	1-162-288-31	s	CERAMIC 330PF 10% 50V
CN4	1-563-685-11	o	BOARD TO BOARD 12P (HN-77 to AU-83)
CN4	1-506-592-11	o	PIN, BOARD TO BOARD 4P (AU-84 to HN-77)
CN4	1-564-549-11	o	PIN, BOARD TO BOARD 10P (AU-84 to HN-77)
CN5	1-563-685-11	o	BOARD TO BOARD 12P (HN-77 to AU-83)
CN5	1-564-549-11	o	PIN, BOARD TO BOARD 10P (AU-84 to HN-77)
CN6	1-563-685-11	o	BOARD TO BOARD 12P (HN-77 to AU-83)
CN6	1-506-592-11	o	PIN, BOARD TO BOARD 4P (AU-84 to HN-77)
CN6	1-564-549-11	o	PIN, BOARD TO BOARD 10P (AU-84 to HN-77)
CN107	1-506-747-21	o	PIN, DIN(DIP) 64P
CP1	1-236-010-11	s	FILTER, LOW PASS
CP2	1-236-010-11	s	FILTER, LOW PASS

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
D1	8-719-901-33	s	1SS133
D2	8-719-901-33	s	1SS133
D3	8-719-109-91	s	RD6.2ES-B
D4	8-719-901-33	s	1SS133
D5	8-719-109-91	s	RD6.2ES-B
D6	8-719-901-33	s	1SS133
D7	8-719-901-33	s	1SS133
D8	8-719-200-02	s	10E-2
D9	8-719-200-02	s	10E-2
D10	8-719-901-33	s	1SS133
D11	8-719-901-33	s	1SS133
D12	8-719-901-33	s	1SS133
D13	8-719-901-33	s	1SS133
D15	8-719-109-87	s	RD5.6ES-B
D16	8-719-110-05	s	RD8.2ES-B
D17	8-719-109-58	s	RD2.7ES-B
D18	8-719-901-33	s	1SS133
D19	8-719-901-33	s	1SS133
IC1	8-759-981-57	s	RC2043D-D(RAYTHEON)
IC2	8-759-981-96	s	RC4560D(RAYTHEON)
IC3	8-749-900-86	s	BX-1469L(SONY)
IC4	8-759-981-91	s	RC4558C(RAYTHEON)
7)IC5	8-759-145-58	s	UPC4558C(JRC)
8)IC5	8-759-981-90	s	RC4558D-D(RAYTHEON)
IC6	8-759-981-96	s	RC4560D(RAYTHEON)
37)IC7	8-720-002-92	s	TX-429M(SONY)
38)IC7	8-766-001-49	s	TX-429M(SONY)
37)IC8	8-720-002-92	s	TX-429M(SONY)
38)IC8	8-766-001-49	s	TX-429M(SONY)
IC9	8-759-982-21	s	RC78L05A(RAYTHEON)
IC10	8-759-982-44	s	RC79L05A(RAYTHEON)
IC11	8-759-982-02	s	RC4562D-D(RAYTHEON)
LV1	1-407-305-00	s	MICRO 22mH
LV2	1-407-307-00	s	MICRO 35mH
LV3	1-407-305-00	s	MICRO 22mH
LV4	1-407-305-00	s	MICRO 22mH
19)LV5	1-459-434-00	s	VAR 22mH
20)LV5	1-459-512-00	s	VAR 20mH
Q1	8-729-178-55	s	2SC2785E
Q2	8-729-178-55	s	2SC2785E
Q3	8-729-117-54	s	2SA1175
Q4	8-729-201-05	s	2SC2878-B
Q5	8-729-178-54	s	2SC2785
Q6	8-729-105-72	s	2SK523-L1
Q7	8-729-178-54	s	2SC2785
Q8	8-729-117-54	s	2SA1175
Q9	8-729-900-65	s	DTA144ES
Q10	8-729-178-54	s	2SC2785
Q11	8-729-178-54	s	2SC2785
Q14	8-729-117-54	s	2SA1175
Q15	8-729-178-54	s	2SC2785
Q16	8-729-178-54	s	2SC2785
Q17	8-729-900-89	s	DTC144ES
Q18	8-729-178-54	s	2SC2785
Q19	8-729-201-05	s	2SC2878-B
Q20	8-729-178-54	s	2SC2785
Q21	8-729-178-54	s	2SC2785
Q22	8-729-178-54	s	2SC2785

Ref No.	Parts No.	SP	Description
Q23	8-729-178-54	s	2SC2785
Q24	8-729-117-54	s	2SA1175
Q25	8-729-201-05	s	2SC2878-B
Q29	8-729-201-05	s	2SC2878-B
Q30	8-729-117-54	s	2SA1175
Q31	8-729-178-54	s	2SC2785
Q32	8-729-113-32	s	2SB733
Q33	8-729-178-54	s	2SC2785
Q34	8-729-117-54	s	2SA1175
Q35	8-729-177-32	s	2SD773
Q36	8-729-900-65	s	DTA144ES
Q37	8-729-900-89	s	DTC144ES
Q38	8-729-900-65	s	DTA144ES
Q39	8-729-900-89	s	DTC144ES
R12	1-247-883-00	s	CARBON 150k 5% 1/6W
R17	1-249-404-00	s	CARBON 82 5% 1/6W
R18	1-247-883-00	s	CARBON 150k 5% 1/6W
R22	1-247-887-00	s	CARBON 220k 5% 1/6W
R57	1-247-883-00	s	CARBON 150k 5% 1/6W
R65	1-247-887-00	s	CARBON 220k 5% 1/6W
R84	1-247-883-00	s	CARBON 150k 5% 1/6W
R86	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R94	1-247-883-00	s	CARBON 150k 5% 1/6W
R109	1-247-895-00	s	CARBON 470k 5% 1/6W
R115	1-247-887-00	s	CARBON 220k 5% 1/6W
R153	1-247-885-00	s	CARBON 180k 5% 1/6W
R156	1-247-883-00	s	CARBON 150k 5% 1/6W
R157	1-247-883-00	s	CARBON 150k 5% 1/6W
R158	1-247-885-00	s	CARBON 180k 5% 1/6W
RV1	1-228-993-00	s	VAR, CARBON 4.7k
RV2	1-228-993-00	s	VAR, CARBON 4.7k
RV3	1-228-998-00	s	VAR, CARBON 220k
RV4	1-228-993-00	s	VAR, CARBON 4.7k
RV5	1-228-996-00	s	VAR, CARBON 47k
RV6	1-230-720-11	s	VAR, CARBON 4.7k
RV7	1-228-996-00	s	VAR, CARBON 47k
RV8	1-230-496-11	s	VAR, CARBON 10k
RV9	1-230-500-11	s	VAR, CARBON 220k
RV10	1-230-720-11	s	VAR, CARBON 4.7k
RV11	1-230-720-11	s	VAR, CARBON 4.7k
RV12	1-230-719-11	s	VAR, CARBON 2.2k
T1	1-427-284-00	s	TRANSFORMER,OUTPUT

AU-85 BOARD

Ref No.	Parts No.	SP	Description
	A-6713-286-A	o	MOUNTED CIRCUIT BOARD, AU-85
C1	1-131-360-91	s	TANTALUM 15 10% 25V
C2	1-131-351-00	s	TANTALUM 4.7 10% 25V
C4	1-131-360-91	s	TANTALUM 15 10% 25V
C5	1-131-351-00	s	TANTALUM 4.7 10% 25V
C7	1-131-343-00	s	TANTALUM 0.22 10% 35V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
C9	1-131-372-00	s	TANTALUM 15 10% 16V
C10	1-131-351-00	s	TANTALUM 4.7 10% 25V
C15	1-161-379-00	s	CERAMIC 0.01 30% 16V
C26	1-131-365-00	s	TANTALUM 10 10% 16V
C27	1-131-372-00	s	TANTALUM 15 10% 16V
C28	1-131-372-00	s	TANTALUM 15 10% 16V
C29	1-131-365-00	s	TANTALUM 10 10% 16V
C31	1-124-927-11	s	ELECT 4.7 20% 50V
C33	1-131-372-00	s	TANTALUM 15 10% 16V
C34	1-131-351-00	s	TANTALUM 4.7 10% 25V
C39	1-161-379-00	s	CERAMIC 0.01 30% 16V
C47	1-123-332-00	s	ELECT 47 20% 16V
C49	1-131-365-00	s	TANTALUM 10 10% 16V
C50	1-131-372-00	s	TANTALUM 15 10% 16V
C51	1-131-372-00	s	TANTALUM 15 10% 16V
C52	1-131-365-00	s	TANTALUM 10 10% 16V
C53	1-131-351-00	s	TANTALUM 4.7 10% 25V
C54	1-131-351-00	s	TANTALUM 4.7 10% 25V
C57	1-124-927-11	s	ELECT 4.7 20% 50V
7) C60	1-131-343-00	s	TANTALUM 0.22 10% 35V
7) C63	1-131-343-00	s	TANTALUM 0.22 10% 35V
C68	1-124-927-11	s	ELECT 4.7 20% 50V
C101	1-162-286-31	s	CERAMIC 220PF 10% 50V
C103	1-162-286-31	s	CERAMIC 220PF 10% 50V
C104	1-162-285-31	s	CERAMIC 180PF 10% 50V
C110	1-162-286-31	s	CERAMIC 220PF 10% 50V
C111	1-162-286-31	s	CERAMIC 220PF 10% 50V
C112	1-161-379-00	s	CERAMIC 0.01 30% 16V
C113	1-161-379-00	s	CERAMIC 0.01 30% 16V
C114	1-129-718-00	s	FILM 0.022 10% 630V
C115	1-131-356-00	s	TANTALUM 3.3 10% 25V
C116	1-131-373-00	s	TANTALUM 22 10% 16V
C119	1-162-286-31	s	CERAMIC 220PF 10% 50V
C121	1-162-286-31	s	CERAMIC 220PF 10% 50V
C122	1-162-285-31	s	CERAMIC 180PF 10% 50V
C128	1-162-286-31	s	CERAMIC 220PF 10% 50V
C129	1-162-286-31	s	CERAMIC 220PF 10% 50V
C130	1-161-379-00	s	CERAMIC 0.01 30% 16V
C131	1-129-718-00	s	FILM 0.022 10% 630V
C132	1-131-356-00	s	TANTALUM 3.3 10% 25V
C133	1-131-373-00	s	TANTALUM 22 10% 16V
C136	1-162-286-31	s	CERAMIC 220PF 10% 50V
C138	1-162-285-31	s	CERAMIC 180PF 10% 50V
C139	1-131-352-00	s	TANTALUM 6.8 10% 35V
C140	1-162-215-31	s	CERAMIC 47PF 5% 50V
C143	1-162-286-31	s	CERAMIC 220PF 10% 50V
C144	1-162-286-31	s	CERAMIC 220PF 10% 50V
C145	1-161-379-00	s	CERAMIC 0.01 30% 16V
C146	1-161-379-00	s	CERAMIC 0.01 30% 16V
C149	1-162-286-31	s	CERAMIC 220PF 10% 50V
C151	1-162-286-31	s	CERAMIC 220PF 10% 50V
C152	1-162-285-31	s	CERAMIC 180PF 10% 50V
C153	1-131-352-00	s	TANTALUM 6.8 10% 35V
C154	1-162-215-31	s	CERAMIC 47PF 5% 50V
C157	1-162-286-31	s	CERAMIC 220PF 10% 50V
C158	1-162-286-31	s	CERAMIC 220PF 10% 50V
C159	1-161-379-00	s	CERAMIC 0.01 30% 16V
C162	1-109-681-61	s	MICA 220PF 5% 500V
C163	1-109-681-61	s	MICA 220PF 5% 500V
C164	1-162-286-31	s	CERAMIC 220PF 10% 50V
C165	1-161-379-00	s	CERAMIC 0.01 30% 16V
C166	1-162-215-31	s	CERAMIC 47PF 5% 50V
C167	1-162-215-31	s	CERAMIC 47PF 5% 50V
C168	1-161-379-00	s	CERAMIC 0.01 30% 16V
C169	1-161-379-00	s	CERAMIC 0.01 30% 16V
C200	1-126-103-11	s	ELECT 470 20% 16V
C201	1-126-103-11	s	ELECT 470 20% 16V
CN109	1-506-747-21	o	PIN, DIN(DIP) 64P
D1	8-719-901-33	s	1SS133
D2	8-719-901-33	s	1SS133
D3	8-719-901-33	s	1SS133
D4	8-719-901-33	s	1SS133
D5	8-719-901-33	s	1SS133
D6	8-719-109-91	s	RD6.2ES-B
D7	8-719-109-91	s	RD6.2ES-B
D8	8-719-901-33	s	1SS133
D9	8-719-901-33	s	1SS133
D10	8-719-901-33	s	1SS133
D11	8-719-901-33	s	1SS133
D12	8-719-901-33	s	1SS133
D13	8-719-901-33	s	1SS133
D14	8-719-901-33	s	1SS133
D101	8-719-901-33	s	1SS133
D102	8-719-901-33	s	1SS133
IC1	8-759-205-76	s	TC504013BP(TOSHIBA)
IC2	8-759-132-40	s	UPC324C(NEC)
IC3	8-759-132-40	s	UPC324C(NEC)
IC4	8-759-969-13	s	SN16913P(TI)
IC5	8-759-969-13	s	SN16913P(TI)
IC6	8-759-969-13	s	SN16913P(TI)
IC7	8-759-969-13	s	SN16913P(TI)
IC8	8-759-132-40	s	UPC324C(NEC)
IC101	8-759-981-96	s	RC4560D(RAYTHEON)
IC102	8-759-981-96	s	RC4560D(RAYTHEON)
L1	1-459-155-00	s	(WITH CORE) 45
LV1	1-407-306-00	s	MICRO 28mH
LV2	1-407-306-00	s	MICRO 28mH
LV3	1-407-306-00	s	MICRO 28mH
LV4	1-407-300-00	s	MICRO 7.1mH
LV5	1-407-306-00	s	MICRO 28mH
LV6	1-407-300-00	s	MICRO 7.1mH
Q1	8-729-900-89	s	DTC144ES
Q2	8-729-900-89	s	DTC144ES
Q3	8-729-900-89	s	DTC144ES
Q4	8-729-900-89	s	DTC144ES
Q5	8-729-117-54	s	2SA1175

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
Q6	8-729-117-54	s	2SA1175
Q7	8-729-900-89	s	DTC144ES
Q8	8-729-117-54	s	2SA1175
Q9	8-729-117-54	s	2SA1175
Q10	8-729-201-05	s	2SC2878-B
Q11	8-729-178-54	s	2SC2785
Q12	8-729-201-05	s	2SC2878-B
Q13	8-729-178-54	s	2SC2785
Q14	8-729-900-89	s	DTC144ES
Q101	8-729-178-54	s	2SC2785
Q105	8-729-117-54	s	2SA1175
Q106	8-729-178-54	s	2SC2785
Q107	8-729-905-53	s	2SD1055-R
Q108	8-729-982-22	s	2SB822
Q109	8-729-117-54	s	2SA1175
35)Q110	8-729-201-05	s	2SC2878-B
36)Q110	8-729-107-84	s	2SC3623A-L
35)Q111	8-729-201-05	s	2SC2878-B
36)Q111	8-729-107-84	s	2SC3623A-L
Q112	8-729-178-54	s	2SC2785
Q116	8-729-117-54	s	2SA1175
Q117	8-729-178-54	s	2SC2785
Q118	8-729-905-54	s	2SD1055-R
Q119	8-729-982-22	s	2SB822
Q120	8-729-117-54	s	2SA1175
35)Q121	8-729-201-05	s	2SC2878-B
36)Q121	8-729-107-84	s	2SC3623A-L
35)Q122	8-729-201-05	s	2SC2878-B
36)Q122	8-729-107-84	s	2SC3623A-L
Q123	8-729-178-54	s	2SC2785
Q124	8-729-117-54	s	2SA1175
Q125	8-729-201-05	s	2SC2878-B
Q126	8-729-201-05	s	2SC2878-B
Q127	8-729-178-54	s	2SC2785
Q128	8-729-117-54	s	2SA1175
Q129	8-729-178-54	s	2SC2785
Q130	8-729-905-53	s	2SD1055-R
Q131	8-729-982-22	s	2SB822
Q132	8-729-178-54	s	2SC2785
Q133	8-729-117-54	s	2SA1175
Q134	8-729-201-05	s	2SC2878-B
Q135	8-729-201-05	s	2SC2878-B
Q136	8-729-178-54	s	2SC2785
Q137	8-729-117-54	s	2SA1175
Q138	8-729-178-54	s	2SC2785
Q139	8-729-905-53	s	2SD1055-R
Q140	8-729-982-22	s	2SB822
Q144	8-729-900-74	s	DTC143TS
Q145	8-729-900-74	s	DTC143TS
Q146	8-729-178-54	s	2SC2785
R6	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R12	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R22	1-247-885-00	s	CARBON 180k 5% 1/6W
R24	1-247-895-00	s	CARBON 470k 5% 1/6W
R25	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R26	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R28	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R31	1-247-881-00	s	CARBON 120k 5% 1/6W
R43	1-247-885-00	s	CARBON 180k 5% 1/6W
R45	1-247-895-00	s	CARBON 470k 5% 1/6W

Ref No.	Parts No.	SP	Description
R46	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R47	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R49	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R50	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R60	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R70	1-247-887-00	s	CARBON 220k 5% 1/6W
R72	1-247-881-00	s	CARBON 120k 5% 1/6W
R75	1-247-881-00	s	CARBON 120k 5% 1/6W
R77	1-247-755-11	s	CARBON 1.8k 5% 1/2W
R81	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R84	1-247-887-00	s	CARBON 220k 5% 1/6W
R86	1-247-881-00	s	CARBON 120k 5% 1/6W
R109	1-247-895-00	s	CARBON 470k 5% 1/6W
R116	1-249-480-11	s	CARBON 3.3 5% 1/2W
R117	1-249-480-11	s	CARBON 3.3 5% 1/2W
R132	1-247-895-00	s	CARBON 470k 5% 1/6W
R141	1-249-480-11	s	CARBON 3.3 5% 1/2W
R142	1-249-480-11	s	CARBON 3.3 5% 1/2W
R158	1-247-887-00	s	CARBON 220k 5% 1/6W
R167	1-249-480-11	s	CARBON 3.3 5% 1/2W
R168	1-249-480-11	s	CARBON 3.3 5% 1/2W
R177	1-247-887-00	s	CARBON 220k 5% 1/6W
R187	1-249-480-11	s	CARBON 3.3 5% 1/2W
R188	1-249-480-11	s	CARBON 3.3 5% 1/2W
R199	1-247-887-00	s	CARBON 220k 5% 1/6W
R200	1-247-731-11	s	CARBON 22 5% 1/2W
R203	1-247-887-00	s	CARBON 220k 5% 1/6W
R204	1-247-731-11	s	CARBON 22 5% 1/2W
R211	1-247-895-00	s	CARBON 470k 5% 1/6W
R212	1-247-895-00	s	CARBON 470k 5% 1/6W
RV1	1-228-998-00	s	VAR, CARBON 220k
RV2	1-228-998-00	s	VAR, CARBON 220k
RV3	1-228-995-00	s	VAR, CARBON 22k
RV4	1-228-990-00	s	VAR, CARBON 1k
RV5	1-228-996-00	s	VAR, CARBON 47k
RV6	1-228-995-00	s	VAR, CARBON 22k
RV7	1-228-990-00	s	VAR, CARBON 1k
RV8	1-228-993-00	s	VAR, CARBON 4.7k
RV9	1-228-993-00	s	VAR, CARBON 4.7k
RV10	1-228-996-00	s	VAR, CARBON 47k
RV11	1-228-996-00	s	VAR, CARBON 47k
RV101	1-230-500-11	s	VAR, CARBON 220k
RV102	1-230-500-11	s	VAR, CARBON 220k
RV103	1-230-500-11	s	VAR, CARBON 220k
RV104	1-230-726-11	s	VAR, CARBON 470k
RV105	1-230-500-11	s	VAR, CARBON 220k
RV106	1-230-726-11	s	VAR, CARBON 470k

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

AU-87 BOARD

Ref No.	Parts No.	SP	Description
	A-6713-283-A	o	MOUNTED CIRCUIT BOARD, AU-87
C1	1-162-294-31	s	CERAMIC 0.001 10% 50V
C3	1-162-207-31	s	CERAMIC 22PF 5% 50V
C6	1-124-445-00	s	ELECT 100 20% 16V
C9	1-124-445-00	s	ELECT 100 20% 16V
C13	1-162-294-31	s	CERAMIC 0.001 10% 50V
C15	1-162-207-31	s	CERAMIC 22PF 5% 50V
C101	1-124-284-00	s	ELECT 10 20% 16V
C102	1-162-207-31	s	CERAMIC 22PF 5% 50V
C104	1-131-365-00	s	TANTALUM 10 10% 16V
C105	1-124-284-00	s	ELECT 10 20% 16V
C106	1-162-207-31	s	CERAMIC 22PF 5% 50V
C107	1-124-247-91	s	ELECT 10 20% 35V
C108	1-162-207-31	s	CERAMIC 22PF 5% 50V
C109	1-124-247-91	s	ELECT 10 20% 35V
C110	1-124-247-91	s	ELECT 10 20% 35V
C111	1-124-247-91	s	ELECT 10 20% 35V
C112	1-124-247-91	s	ELECT 10 20% 35V
C113	1-162-282-31	s	CERAMIC 100PF 10% 50V
C202	1-124-445-00	s	ELECT 100 20% 16V
C203	1-161-379-00	s	CERAMIC 0.01 30% 16V
C208	1-124-445-00	s	ELECT 100 20% 16V
C209	1-161-379-00	s	CERAMIC 0.01 30% 16V
D101	8-719-901-33	s	1SS133
D102	8-719-901-33	s	1SS133
D103	8-719-200-02	s	10E-2
D104	8-719-200-02	s	10E-2
D105	8-719-901-33	s	1SS133
D106	8-719-901-33	s	1SS133
D107	8-719-901-33	s	1SS133
D108	8-719-901-33	s	1SS133
D109	8-719-109-88	s	RD5.6ES-B1
D201	8-719-110-05	s	RD8.2ES-B
D203	8-719-110-13	s	RD9.1ES-B2
D204	8-719-110-13	s	RD9.1ES-B2
D205	8-719-109-58	s	RD2.7ES-B
IC1	8-759-982-02	s	RC4562D-D(RAYTHEON)
IC100	8-759-982-02	s	RC4562D-D(RAYTHEON)
IC101	8-759-982-02	s	RC4562D-D(RAYTHEON)
IC102	8-759-208-06	s	TC4051BPHB(TOSHIBA)
L1	1-407-519-00	s	8mH
L2	1-407-519-00	s	8mH
Q101	8-729-306-92	s	2SD669A
Q102	8-729-304-92	s	2SB649A
Q103	8-729-117-54	s	2SA1175
Q104	8-729-201-05	s	2SAC2878-B
Q105	8-729-306-92	s	2SD669A
Q106	8-729-304-92	s	2SB649A
Q107	8-729-201-05	s	2SC2878-B
Q108	8-729-117-54	s	2SA1175
Q109	8-729-306-92	s	2SD669A
Q110	8-729-304-92	s	2SB649A
Q111	8-729-201-05	s	2SC2878-B
Q112	8-729-117-54	s	2SA1175
Q113	8-729-201-05	s	2SC2878-B
Q114	8-729-117-54	s	2SA1175
Q201	8-729-373-92	s	2SB739
Q202	8-729-378-82	s	2SD788
Q203	8-729-178-54	s	2SC2785
Q204	8-729-117-54	s	2SA1175
Q205	8-729-378-82	s	2SD788
Q206	8-729-373-92	s	2SB739
R108	1-247-727-11	s	CARBON 10 5% 1/2W
R109	1-247-727-11	s	CARBON 10 5% 1/2W
R110	1-249-479-11	s	CARBON 2.7 5% 1/2W
R120	1-247-727-11	s	CARBON 10 5% 1/2W
R121	1-247-727-11	s	CARBON 10 5% 1/2W
R122	1-249-479-11	s	CARBON 2.7 5% 1/2W
R131	1-247-727-11	s	CARBON 10 5% 1/2W
R132	1-247-727-11	s	CARBON 10 5% 1/2W
R133	1-249-479-11	s	CARBON 2.7 5% 1/2W
R202	1-247-764-11	s	CARBON 10k 5% 1/2W
R204	1-247-760-11	s	CARBON 4.7k 5% 1/2W
R205	1-247-745-11	s	CARBON 330 5% 1/2W
R208	1-247-764-11	s	CARBON 10k 5% 1/2W
R212	1-247-745-11	s	CARBON 330 5% 1/2W
RV1	1-228-993-00	s	VAR, CARBON 4.7k
RV2	1-228-993-00	s	VAR, CARBON 4.7k
RV3	1-228-995-00	s	VAR, CARBON 22k
S1	1-552-574-21	s	SLIDE
S2	1-552-574-21	s	SLIDE
T1	1-427-585-11	s	INPUT/OUTPUT
T2	1-427-585-11	s	INPUT/OUTPUT
T101	1-427-586-11	s	INPUT/OUTPUT
T102	1-427-586-11	s	INPUT/OUTPUT
T103	1-427-586-11	s	INPUT/OUTPUT

BC-11 BOARD

Ref No.	Parts No.	SP	Description
	A-6725-572-A	o	MOUNTED CIRCUIT BOARD, BC-11
33)C103	1-124-445-00	s	ELECT 100 20% 16V
34)C103	1-124-120-11	s	ELECT 220 20% 25V
C105	1-161-379-00	s	CERAMIC 0.01 30% 16V
C106	1-162-282-31	s	CERAMIC 100PF 10% 50V
C107	1-124-445-00	s	ELECT 100 20% 16V
C108	1-124-445-00	s	ELECT 100 20% 16V
C111	1-124-445-00	s	ELECT 100 20% 16V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
C114	1-124-927-11	s	ELECT 4.7 20% 50V
C118	1-124-445-00	s	ELECT 100 20% 16V
C120	1-124-445-00	s	ELECT 100 20% 16V
C122	1-124-445-00	s	ELECT 100 20% 16V
C123	1-161-379-00	s	CERAMIC 0.01 30% 16V
C124	1-161-379-00	s	CERAMIC 0.01 30% 16V
C126	1-124-445-00	s	ELECT 100 20% 16V
C127	1-124-499-11	s	ELECT 1 20% 50V
C128	1-124-927-11	s	ELECT 4.7 20% 50V
C129	1-124-445-00	s	ELECT 100 20% 16V
C131	1-162-282-31	s	CERAMIC 100PF 10% 50V
C201	1-131-351-00	s	TANTALUM 4.7 10% 25V
C202	1-131-351-00	s	TANTALUM 4.7 10% 25V
C203	1-124-927-11	s	ELECT 4.7 20% 50V
C204	1-161-379-00	s	CERAMIC 0.01 30% 16V
C303	1-161-379-00	s	CERAMIC 0.01 30% 16V
C304	1-162-288-31	s	CERAMIC 330PF 10% 50V
C402	1-161-379-00	s	CERAMIC 0.01 30% 16V
C405	1-102-110-00	s	CERAMIC 220PF 10% 50V
CN108	1-506-747-21	o	PIN, DIN(DIP) 64P
CP201	1-464-805-11	s	OSCILLATION UNIT, BIAS
D101	8-719-101-97	s	1SS97-1
D102	8-719-101-97	s	1SS97-1
D103	8-719-901-33	s	1SS133
D104	8-719-901-33	s	1SS133
D105	8-719-901-33	s	1SS133
D106	8-719-109-88	s	RD5.6ES-B1
D107	8-719-901-33	s	1SS133
D201	8-719-901-33	s	1SS133
D202	8-719-901-33	s	1SS133
D402	8-719-901-33	s	1SS133
D403	8-719-901-33	s	1SS133
IC101	8-759-981-57	s	RC2043D-D(RAYTHEON)
IC102	8-752-006-00	s	CX20060(SONY)
IC103	8-752-006-00	s	CX20060(SONY)
IC104	8-759-981-64	s	LM2903D(RAYTHEON)
29)IC105	8-759-240-53	s	TC4053BP(TOSHIBA)
30)IC105	8-759-040-53	s	MC14053BCP(MOTOROLA)
IC106	8-759-982-02	s	RC4562D-D(RAYTHEON)
29)IC107	8-759-240-53	s	TC4053BP(TOSHIBA)
30)IC107	8-759-040-53	s	MC14053BCP(MOTOROLA)
IC201	8-759-982-25	s	RC78L09A(RAYTHEON)
IC301	8-759-240-69	s	TC4069UBP(TOSHIBA)
29)IC302	8-759-240-24	s	TC4024BP(TOSHIBA)
30)IC302	8-759-000-33	s	MC14024BCP(MOTOROLA)
15)IC401	8-759-944-64	s	MB88525-179M(FUJITSU)
16)IC401	8-759-987-10	s	MB88525-201M(FUJITSU)
29)IC402	8-759-240-69	s	TC4069UBP(TOSHIBA)
29)IC403	8-759-240-69	s	TC4069UBP(TOSHIBA)
17)IC404	8-759-000-99	s	MC74HC74N(TOSHIBA)
18)IC404	8-759-916-29	s	SN74HC74N(TI)
L201	1-408-596-41	s	MICRO 2.7

Ref No.	Parts No.	SP	Description
Q102	8-729-178-54	s	2SC2785
Q103	8-729-178-54	s	2SC2785
Q104	8-729-201-05	s	2SC2878-B
Q105	8-729-178-54	s	2SC2785
Q106	8-729-178-54	s	2SC2785
Q107	8-729-178-54	s	2SC2785
Q108	8-729-900-65	s	DTA144ES
Q109	8-729-900-89	s	DTC144ES
Q110	8-729-201-05	s	2SC2878-B
Q111	8-729-178-54	s	2SC2785
Q115	8-729-117-54	s	2SA1175
Q116	8-729-178-54	s	2SC2785
Q201	8-729-201-05	s	2SC2878-B
Q202	8-729-117-54	s	2SA1175
Q401	8-729-900-89	s	DTC144ES
Q402	8-729-900-89	s	DTC144ES
Q403	8-729-900-89	s	DTC144ES
Q404	8-729-900-89	s	DTC144ES
Q405	8-729-900-89	s	DTC144ES
Q406	8-729-900-89	s	DTC144ES
Q407	8-729-900-89	s	DTC144ES
Q408	8-729-900-89	s	DTC144ES
Q409	8-729-900-89	s	DTC144ES
Q410	8-729-900-89	s	DTC144ES
Q411	8-729-900-89	s	DTC144ES
Q412	8-729-900-89	s	DTC144ES
Q413	8-729-900-89	s	DTC144ES
Q414	8-729-900-89	s	DTC144ES
Q415	8-729-900-89	s	DTC144ES
Q416	8-729-178-54	s	2SC2785
Q417	8-729-900-89	s	DTC144ES
Q418	8-729-900-89	s	DTC144ES
Q420	8-729-900-89	s	DTC144ES
Q421	8-729-900-89	s	DTC144ES
Q422	8-729-900-89	s	DTC144ES
Q423	8-729-900-89	s	DTC144ES
Q424	8-729-900-89	s	DTC144ES
Q425	8-729-900-89	s	DTC144ES
Q426	8-729-900-89	s	DTC144ES
Q427	8-729-900-74	s	DTC143TS
R120	1-247-849-00	s	CARBON 5.6k 5% 1/6W
RV101	1-228-996-00	s	VAR, CARBON 47k
RV102	1-228-994-00	s	VAR, CARBON 10k
X301	1-567-875-11	s	VIBRATOR, CERAMIC 2.27MHz
X401	1-567-143-00	s	OSCILLATOR, CERAMIC 6MHz

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

S/N UP TO 11025 (J)
S/N UP TO 13940 (UC)
S/N UP TO 10045 (BRZ)

CC-31 BOARD

Ref No.	Parts No.	SP	Description
	1-622-255-11	o	PRINTED CIRCUIT BOARD, CC-31
R1	1-247-705-11	s	CARBON 270 5% 1/4W
R2	1-247-717-11	s	CARBON 2.2K 5% 1/4W
R3	1-247-705-11	s	CARBON 270 5% 1/4W
R4	1-247-717-11	s	CARBON 2.2K 5% 1/4W

S/N UP TO 11025 (J)
S/N UP TO 13940 (UC)
S/N UP TO 10045 (BRZ)

CC-32 BOARD

Ref No.	Parts No.	SP	Description
	1-622-256-11	o	PRINTED CIRCUIT BOARD, CC-32
IC1	8-719-940-86	s	GP1L53(SHARP)

S/N UP TO 11025 (J)
S/N UP TO 13940 (UC)
S/N UP TO 10045 (BRZ)

CC-33 BOARD

Ref No.	Parts No.	SP	Description
	1-622-257-11	o	PRINTED CIRCUIT BOARD, CC-33
IC2	8-719-940-86	s	GP1L53(SHARP)

S/N 11026 AND HIGHER (J)
S/N 13941 AND HIGHER (UC)
S/N 10046 AND HIGHER (BRZ)

CC-36 BOARD

Ref No.	Parts No.	SP	Description
	1-627-572-12	o	PRINTED CIRCUIT BOARD, CC-36
R1	1-247-705-11	s	CARBON 270 5% 1/4W
R2	1-247-717-11	s	CARBON 2.2K 5% 1/4W
R3	1-247-705-11	s	CARBON 270 5% 1/4W
R4	1-247-717-11	s	CARBON 2.2K 5% 1/4W
IC1	8-719-940-86	s	GP1L53(SHARP)

S/N 11026 AND HIGHER (J)
S/N 13941 AND HIGHER (UC)
S/N 10046 AND HIGHER (BRZ)

CC-37 BOARD

Ref No.	Parts No.	SP	Description
	1-627-573-12	o	PRINTED CIRCUIT BOARD, CC-37
IC2	8-719-940-86	s	GP1L53(SHARP)

CP-109 BOARD

Ref No.	Parts No.	SP	Description
	1-622-706-12	o	PRINTED CIRCUIT BOARD, CP-109
C1	1-124-236-00	s	ELECT 100 20% 10V
C2	1-124-584-00	s	ELECT 47 20% 16V
C3	1-124-584-00	s	ELECT 47 20% 16V
C4	1-124-584-00	s	ELECT 47 20% 16V
2) Q1	8-729-603-50	o	2SC403SP
2) Q2	8-729-603-50	o	2SC403SP
S1	1-570-145-11	s	SLIDE "75ohm ON/OFF"
S2	1-570-145-11	s	SLIDE "75 ohm ON/OFF"
S3	1-570-145-11	s	SLIDE "SERVO LOCK"
S4	1-570-145-11	s	SLIDE "FRAMING"
S5	1-570-145-11	s	SLIDE "EXT TBC"

S/N 10261 AND HIGHER (J)
S/N 12241 AND HIGHER (UC)

DL-22 BOARD

All of the component parts on the DL-22 board are supplied together when you order MD-44 board.

Ref No.	Parts No.	SP	Description
	1-626-025-11	s	PRINTED CIRCUIT BOARD, DL-22
C2	1-161-379-00	s	CERAMIC 0.01 20% 16V
L1	1-410-470-11	s	10mH
RV1	1-237-507-21	s	METALFILM 2K

DM-54 BOARD

Ref No.	Parts No.	SP	Description
	A-6711-824-A	o	MOUNTED CIRCUIT BOARD, DM-54
C1	1-161-494-00	s	CERAMIC 0.022 30% 25V
C2	1-124-236-00	s	ELECT 47 20% 16V
C3	1-161-379-00	s	CERAMIC 0.01 30% 16V
C4	1-124-236-00	s	ELECT 47 20% 16V
C5	1-161-379-00	s	CERAMIC 0.01 30% 16V
C8	1-124-462-00	s	ELECT 10 20% 16V
C11	1-161-494-00	s	CERAMIC 0.022 30% 25V
C16	1-161-494-00	s	CERAMIC 0.022 30% 25V
C25	1-124-236-00	s	ELECT 47 20% 16V
C28	1-161-494-00	s	CERAMIC 0.022 30% 25V
C29	1-161-494-00	s	CERAMIC 0.022 30% 25V
C31	1-124-236-00	s	ELECT 47 20% 16V
C32	1-161-494-00	s	CERAMIC 0.022 30% 25V
C33	1-161-494-00	s	CERAMIC 0.022 30% 25V
C35	1-161-494-00	s	CERAMIC 0.022 30% 25V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
C36	1-124-236-00	s	ELECT 47 20% 16V
C39	1-161-494-00	s	CERAMIC 0.022 30% 25V
C43	1-124-584-00	s	ELECT 100 20% 10V
C46	1-124-584-00	s	ELECT 100 20% 10V
C47	1-124-584-00	s	ELECT 100 20% 10V
C51	1-124-584-00	s	ELECT 100 20% 10V
C52	1-124-584-00	s	ELECT 100 20% 10V
C54	1-124-584-00	s	ELECT 100 20% 10V
C57	1-124-584-00	s	ELECT 100 20% 10V
C59	1-124-584-00	s	ELECT 100 20% 10V
C62	1-124-236-00	s	ELECT 47 20% 16V
C63	1-161-494-00	s	CERAMIC 0.022 30% 25V
C64	1-124-584-00	s	ELECT 100 20% 10V
C66	1-124-584-00	s	ELECT 100 20% 10V
C69	1-124-584-00	s	ELECT 100 20% 10V
C71	1-124-584-00	s	ELECT 100 20% 10V
C73	1-162-294-31	s	CERAMIC 0.001 10% 50V
C74	1-161-379-00	s	CERAMIC 0.01 30% 16V
C75	1-124-462-00	s	ELECT 10 20% 16V
C76	1-124-257-00	s	ELECT 2.2 20% 50V
C77	1-124-584-00	s	ELECT 100 20% 10V
C78	1-161-494-00	s	CERAMIC 0.022 30% 25V
C79	1-124-236-00	s	ELECT 47 20% 16V
C80	1-124-584-00	s	ELECT 100 20% 10V
C81	1-124-236-00	s	ELECT 47 20% 16V
C82	1-161-494-00	s	CERAMIC 0.022 30% 25V
C83	1-124-584-00	s	ELECT 100 20% 10V
C86	1-124-584-00	s	ELECT 100 20% 10V
C89	1-124-584-00	s	ELECT 100 20% 10V
C90	1-124-236-00	s	ELECT 47 20% 16V
C91	1-124-584-00	s	ELECT 100 20% 10V
C92	1-124-236-00	s	ELECT 47 20% 16V
C93	1-124-236-00	s	ELECT 47 20% 16V
C94	1-161-494-00	s	CERAMIC 0.022 30% 25V
C98	1-161-494-00	s	CERAMIC 0.022 30% 25V
C99	1-161-494-00	s	CERAMIC 0.022 30% 25V
C100	1-162-286-31	s	CERAMIC 220PF 10% 50V
C101	1-162-286-31	s	CERAMIC 220PF 10% 50V
C102	1-161-379-00	s	CERAMIC 0.01 30% 16V
C104	1-102-112-00	s	CERAMIC 330PF 10% 50V
C201	1-124-236-00	s	ELECT 47 20% 16V
C202	1-161-494-00	s	CERAMIC 0.022 30% 25V
C203	1-161-379-00	s	CERAMIC 0.01 30% 16V
C205	1-161-379-00	s	CERAMIC 0.01 30% 16V
C209	1-124-245-00	s	ELECT 4.7 20% 16V
C210	1-161-379-00	s	CERAMIC 0.01 30% 16V
C212	1-124-255-00	s	ELECT 1 20% 50V
C213	1-161-379-00	s	CERAMIC 0.01 30% 16V
C215	1-124-236-00	s	ELECT 47 20% 16V
C216	1-161-494-00	s	CERAMIC 0.022 30% 25V
C217	1-161-494-00	s	CERAMIC 0.022 30% 25V
C218	1-124-236-00	s	ELECT 47 20% 16V
C219	1-124-236-00	s	ELECT 47 20% 16V
C220	1-124-584-00	s	ELECT 100 20% 10V
C221	1-124-584-00	s	ELECT 100 20% 10V
C252	1-124-236-00	s	ELECT 47 20% 16V
C253	1-161-494-00	s	CERAMIC 0.022 30% 25V
C301	1-126-103-11	s	ELECT 470 20% 16V
C302	1-161-494-00	s	CERAMIC 0.022 30% 25V
C303	1-161-379-00	s	CERAMIC 0.01 30% 16V
C304	1-161-379-00	s	CERAMIC 0.01 30% 16V
C305	1-161-379-00	s	CERAMIC 0.01 30% 16V
C307	1-161-379-00	s	CERAMIC 0.01 30% 16V
C309	1-161-379-00	s	CERAMIC 0.01 30% 16V
C312	1-124-255-00	s	ELECT 1 20% 50V

Ref No.	Parts No.	SP	Description
C314	1-161-379-00	s	CERAMIC 0.01 30% 16V
C401	1-124-236-00	s	ELECT 47 20% 16V
C402	1-124-236-00	s	ELECT 47 20% 16V
C403	1-124-584-00	s	ELECT 100 20% 10V
C404	1-124-236-00	s	ELECT 47 20% 16V
C405	1-124-236-00	s	ELECT 47 20% 16V
C406	1-161-494-00	s	CERAMIC 0.022 30% 25V
C407	1-124-584-00	s	ELECT 100 20% 10V
C408	1-124-584-00	s	ELECT 100 20% 10V
C411	1-124-236-00	s	ELECT 47 20% 16V
C412	1-124-236-00	s	ELECT 47 20% 16V
C413	1-161-494-00	s	CERAMIC 0.022 30% 25V
C414	1-124-236-00	s	ELECT 47 20% 16V
C417	1-124-236-00	s	ELECT 47 20% 16V
C418	1-161-494-00	s	CERAMIC 0.022 30% 25V
C426	1-124-236-00	s	ELECT 47 20% 16V
C427	1-131-341-00	s	TANTALUM 0.1 10% 35V
C428	1-102-114-00	s	CERAMIC 470PF 10% 50V
C430	1-124-236-00	s	ELECT 47 20% 16V
C435	1-161-494-00	s	CERAMIC 0.022 30% 16V
C501	1-124-589-11	s	ELECT 47 20% 16V
C502	1-161-494-00	s	CERAMIC 0.022 30% 25V
C507	1-124-589-11	s	ELECT 47 20% 16V
C509	1-124-462-00	s	ELECT 10 20% 16V
C511	1-124-255-00	s	ELECT 1 20% 50V
C512	1-124-257-00	s	ELECT 2.2 20% 50V
C513	1-124-257-00	s	ELECT 2.2 20% 50V
C516	1-124-257-00	s	ELECT 2.2 20% 50V
C517	1-124-462-00	s	ELECT 10 20% 16V
C520	1-124-462-00	s	ELECT 10 20% 16V
C521	1-124-462-00	s	ELECT 10 20% 16V
C522	1-124-462-00	s	ELECT 10 20% 16V
C523	1-124-257-00	s	ELECT 2.2 20% 50V
C524	1-124-236-00	s	ELECT 47 20% 16V
C525	1-124-236-00	s	ELECT 47 20% 16V
C526	1-161-494-00	s	CERAMIC 0.022 30% 25V
C527	1-124-255-00	s	ELECT 1 20% 50V
C529	1-124-462-00	s	ELECT 10 20% 16V
C531	1-124-255-00	s	ELECT 1 20% 50V
C532	1-124-255-00	s	ELECT 1 20% 50V
C533	1-124-236-00	s	ELECT 47 20% 16V
C534	1-161-494-00	s	CERAMIC 0.022 30% 25V
C535	1-124-462-00	s	ELECT 10 20% 16V
C537	1-124-462-00	s	ELECT 10 20% 16V
C538	1-124-462-00	s	ELECT 10 20% 16V
C541	1-131-344-00	s	TANTALUM 0.33 10% 35V
C543	1-124-236-00	s	ELECT 47 20% 16V
C544	1-161-494-00	s	CERAMIC 0.022 30% 25V
C547	1-124-462-00	s	ELECT 10 20% 16V
C548	1-124-236-00	s	ELECT 47 20% 16V
C549	1-161-494-00	s	CERAMIC 0.022 30% 25V
C550	1-161-379-00	s	CERAMIC 0.01 30% 16V
C552	1-161-379-00	s	CERAMIC 0.01 30% 16V
C553	1-161-379-00	s	CERAMIC 0.01 30% 16V
C554	1-161-494-00	s	CERAMIC 0.022 30% 25V
C557	1-161-494-00	s	CERAMIC 0.022 30% 25V
C558	1-161-494-00	s	CERAMIC 0.022 30% 25V
C559	1-161-494-00	s	CERAMIC 0.022 30% 25V
C561	1-124-236-00	s	ELECT 47 20% 16V
C562	1-161-494-00	s	CERAMIC 0.022 30% 25V
C563	1-124-236-00	s	ELECT 47 20% 16V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
C564	1-124-236-00	s	ELECT 47 20% 16V
C566	1-124-462-00	s	ELECT 10 20% 16V
C569	1-124-589-11	s	ELECT 47 20% 16V
C570	1-124-255-00	s	ELECT 1 20% 50V
C571	1-161-494-00	s	CERAMIC 0.022 30% 25V
C572	1-124-236-00	s	ELECT 47 20% 16V
C573	1-124-462-00	s	ELECT 10 20% 16V
C574	1-101-890-00	s	CERAMIC 75PF 5% 50V
C575	1-124-236-00	s	ELECT 47 20% 16V
C576	1-161-494-00	s	CERAMIC 0.022 30% 25V
C578	1-161-494-00	s	CERAMIC 0.022 30% 25V
C579	1-131-344-00	s	TANTALUM 0.33 10% 35V
C580	1-124-236-00	s	ELECT 47 20% 16V
C582	1-161-494-00	s	CERAMIC 0.022 30% 25V
C583	1-162-294-31	s	CERAMIC 0.001 10% 50V
C585	1-131-343-00	s	TANTALUM 0.22 10% 35V
C587	1-161-494-00	s	CERAMIC 0.022 30% 25V
C588	1-124-236-00	s	ELECT 47 20% 16V
C589	1-131-349-00	s	TANTALUM 2.2 10% 35V
C591	1-124-236-00	s	ELECT 47 20% 16V
C592	1-161-494-00	s	CERAMIC 0.022 30% 25V
C595	1-124-236-00	s	ELECT 47 20% 16V
C596	1-161-494-00	s	CERAMIC 0.022 30% 25V
C597	1-131-349-00	s	TANTALUM 2.2 10% 35V
C598	1-131-379-00	s	TANTALUM 22 10% 10V
C599	1-131-349-00	s	TANTALUM 2.2 10% 35V
C600	1-131-379-00	s	TANTALUM 22 10% 10V
C601	1-124-255-00	s	ELECT 1 20% 50V
C602	1-161-494-00	s	CERAMIC 0.022 30% 25V
C604	1-124-236-00	s	ELECT 47 20% 16V
C605	1-161-494-00	s	CERAMIC 0.022 30% 25V
C606	1-161-494-00	s	CERAMIC 0.022 30% 25V
C607	1-161-494-00	s	CERAMIC 0.022 30% 25V
C608	1-161-494-00	s	CERAMIC 0.022 30% 25V
C609	1-161-494-00	s	CERAMIC 0.022 30% 25V
C610	1-124-236-00	s	ELECT 47 20% 16V
C611	1-161-494-00	s	CERAMIC 0.022 30% 25V
C613	1-124-255-00	s	ELECT 1 20% 50V
C616	1-126-157-11	s	ELECT 10 20% 16V
C617	1-161-494-00	s	CERAMIC 0.022 30% 25V
C618	1-124-236-00	s	ELECT 47 20% 16V
C619	1-161-494-00	s	CERAMIC 0.022 30% 25V
C620	1-124-462-00	s	ELECT 10 20% 16V
C621	1-123-321-00	s	ELECT 220 20% 16V
C622	1-124-236-00	s	ELECT 47 20% 16V
C623	1-161-494-00	s	CERAMIC 0.022 30% 25V
C625	1-124-462-00	s	ELECT 10 20% 16V
C626	1-124-462-00	s	ELECT 10 20% 16V
C627	1-124-462-00	s	ELECT 10 20% 16V
C628	1-124-462-00	s	ELECT 10 20% 16V
C629	1-161-379-00	s	CERAMIC 0.01 30% 16V
C630	1-161-379-00	s	CERAMIC 0.01 30% 16V
C631	1-161-379-00	s	CERAMIC 0.01 30% 16V
C632	1-161-379-00	s	CERAMIC 0.01 30% 16V
C633	1-161-494-00	s	CERAMIC 0.022 30% 25V
C634	1-161-494-00	s	CERAMIC 0.022 30% 25V
C635	1-124-589-11	s	ELECT 47 20% 16V
C636	1-161-494-00	s	CERAMIC 0.022 30% 25V
C638	1-124-462-00	s	ELECT 10 20% 16V
C639	1-124-462-00	s	ELECT 10 20% 16V
C640	1-161-494-00	s	CERAMIC 0.022 30% 25V
C641	1-161-494-00	s	CERAMIC 0.022 30% 25V

Ref No.	Parts No.	SP	Description
CN103	1-506-747-21	o	PIN, DIN (DIP) 64P
CN104	1-506-747-21	o	PIN, DIN (DIP) 64P
CV1	1-141-227-00	s	CERAMIC TRIMMER
CV2	1-141-227-00	s	CERAMIC TRIMMER
CV3	1-141-304-21	s	CERAMIC TRIMMER
D1	8-719-911-19	s	1SS119
D2	8-719-911-19	s	1SS119
D3	8-719-911-19	s	1SS119
D4	8-719-911-19	s	1SS119
D5	8-719-911-19	s	1SS119
D6	8-719-911-19	s	1SS119
D7	8-719-109-70	s	RD3.9ESB
D251	8-719-911-19	s	1SS119
D252	8-719-911-19	s	1SS119
D301	8-719-101-97	s	1SS97-1
D302	8-719-101-97	s	1SS97-1
D303	8-719-104-10	s	1SS99
D304	8-719-104-10	s	1SS99
D305	8-719-911-19	s	1SS119
D306	8-719-911-19	s	1SS119
D401	8-719-911-19	s	1SS119
D402	8-719-911-19	s	1SS119
D403	8-719-110-13	s	RD9.1ES-B2
D404	8-719-911-19	s	1SS119
D501	8-719-911-19	s	1SS119
D502	8-719-911-19	s	1SS119
D503	8-719-911-19	s	1SS119
D504	8-719-911-19	s	1SS119
D505	8-719-911-19	s	1SS119
D506	8-719-911-19	s	1SS119
D508	8-719-911-19	s	1SS119
D509	8-719-911-19	s	1SS119
D510	8-719-911-19	s	1SS119
D511	8-719-911-19	s	1SS119
D512	8-719-911-19	s	1SS119
D513	8-719-911-19	s	1SS119
D514	8-719-104-10	s	1SS99
D515	8-719-104-10	s	1SS99
D516	8-719-104-10	s	1SS99
D517	8-719-104-10	s	1SS99
D518	8-719-911-19	s	1SS119
D519	8-719-911-19	s	1SS119
D520	8-719-911-19	s	1SS119
D521	8-719-911-19	s	1SS119
D522	8-719-911-19	s	1SS119
DL1	1-415-162-31	s	50ns
DL2	1-415-154-00	s	35ns
DL3	1-415-452-21	s	810ns
DL4	1-415-545-11	s	350ns
DL501	1-415-402-11	s	300ns
DL502	1-415-402-11	s	300ns
DL504	1-415-544-11	s	450ns
DL506	1-415-402-11	s	300ns

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Ref No.	Parts No.	SP	Description
FL1	1-235-623-11	s	HPF
FL2	1-231-581-21	s	HPF
FL3	1-235-469-11	s	LPF
FL4	1-235-475-11	s	LPF
FL201	1-235-469-11	s	LPF
FL501	1-235-617-11	s	LPF
FL502	1-235-048-21	s	LPF
FL503	1-235-619-11	s	BPF
FL504	1-235-618-21	s	BPF
IC1	8-759-601-34	s	CX-134A(SONY)
IC2	8-752-006-00	s	CX20060(SONY)
IC3	8-741-114-00	s	BX1140(SONY)
IC4	8-751-350-10	s	CX-135(SONY)
29)IC5	8-759-240-53	s	TC4053BP(TOSHIBA)
30)IC5	8-759-040-53	s	MC14053BCP(MOTOROLA)
IC6	8-749-938-90	s	BX389(SONY)
IC7	8-741-124-90	s	BX1249(SONY)
IC8	8-741-124-90	s	BX1249(SONY)
IC9	8-759-945-58	s	RC4558P(RAYTHEON)
IC10	8-752-006-00	s	CX20060(SONY)
IC11	8-759-400-06	s	AN608P(MATSUSHITA)
IC12	8-749-900-94	s	BX-1472(SONY)
IC201	8-759-207-38	s	TA7374P(TOSHIBA)
IC202	8-752-320-32	s	CXL5001P(SONY)
IC203	8-759-982-25	s	RC78L09A(RAYTHEON)
IC204	8-749-938-90	s	BX389(SONY)
IC251	8-741-124-80	s	BX1248(SONY)
IC301	8-759-200-60	s	TA7060AP(TOSHIBA)
IC302	8-752-006-00	s	CX20060(SONY)
IC303	8-749-900-68	s	BX-1447L(SONY)
IC304	8-749-900-59	s	BX-1448L(SONY)
IC305	8-759-045-38	s	MC14538BCP(MOTOROLA)
IC401	8-743-880-00	s	BX388(SONY)
IC402	8-752-006-00	s	CX20060(SONY)
29)IC403	8-759-240-53	s	TC4053BP(TOSHIBA)
30)IC403	8-759-040-53	s	MC14053BCP(MOTOROLA)
IC404	8-749-900-63	s	BX365AL(ROHM)
IC405	8-749-901-09	s	BX366AL(ROHM)
IC406	8-749-900-63	s	BX365AL(ROHM)
IC407	8-749-901-09	s	BX366AL(ROHM)
IC408	8-759-201-47	s	TA7357AP(TOSHIBA)
IC501	8-741-124-70	s	BX1247(SONY)
IC502	8-752-006-00	s	CX20060(SONY)
IC503	8-749-938-90	s	BX389(SONY)
IC504	8-752-006-00	s	CX20060(SONY)
IC505	8-741-125-80	s	BX1258(SONY)
IC506	8-741-125-00	s	BX1250(SONY)
IC507	8-741-125-21	s	BX1252A(SONY)
IC508	8-741-126-40	s	BX1264(SONY)
IC509	8-752-006-00	s	CX20060(SONY)
IC510	8-759-014-96	s	MC1496P(MOTOROLA)
IC511	8-759-908-59	s	CX-859(SONY)
IC512	8-750-000-46	s	CX-872(SONY)
IC513	8-752-006-00	s	CX20060(SONY)
IC514	8-741-125-10	s	BX1251(SONY)
IC515	8-759-045-38	s	MC14538BCP(MOTOROLA)
IC516	8-749-900-87	s	BX-1470L(SONY)
IC517	8-759-922-61	s	SN16913P-A(TI)
IC518	8-759-200-60	s	TA7060AP(TOSHIBA)
IC519	8-752-006-00	s	CX20060(SONY)

Ref No.	Parts No.	SP	Description
L1	1-410-482-31	s	MICRO 100
L2	1-410-087-31	s	MICRO 10mH
L3	1-410-471-11	s	MICRO 12
L4	1-410-471-11	s	MICRO 12
L5	1-410-087-31	s	MICRO 10mH
L7	1-410-473-11	s	MICRO 18
L8	1-410-477-21	s	MICRO 39
L9	1-410-092-31	s	MICRO 27mH
L10	1-410-461-41	s	MICRO 1.8
L15	1-410-482-31	s	MICRO 100
L16	1-410-482-31	s	MICRO 100
L17	1-410-482-31	s	MICRO 100
L18	1-410-473-11	s	MICRO 18
L19	1-410-476-11	s	MICRO 33
L22	1-410-482-31	s	MICRO 100
L23	1-410-482-31	s	MICRO 100
L24	1-410-482-31	s	MICRO 100
L25	1-410-473-11	s	MICRO 18
L26	1-410-087-31	s	MICRO 10mH
L28	1-410-482-31	s	MICRO 100
L201	1-410-482-31	s	MICRO 100
L202	1-410-482-31	s	MICRO 100
L252	1-410-482-31	s	MICRO 100
L301	1-410-482-31	s	MICRO 100
L401	1-410-482-31	s	MICRO 100
L402	1-410-482-31	s	MICRO 100
L403	1-410-482-31	s	MICRO 100
L404	1-410-482-31	s	MICRO 100
L501	1-410-482-31	s	MICRO 100
L502	1-410-482-31	s	MICRO 100
L504	1-410-482-31	s	MICRO 100
L506	1-410-482-31	s	MICRO 100
L507	1-410-482-31	s	MICRO 100
L508	1-410-482-31	s	MICRO 100
L509	1-410-482-31	s	MICRO 100
L510	1-410-478-11	s	MICRO 47
L512	1-410-482-31	s	MICRO 100
L513	1-410-482-31	s	MICRO 100
L514	1-410-482-31	s	MICRO 100
L516	1-410-482-31	s	MICRO 100
L517	1-410-482-31	s	MICRO 100
L518	1-410-482-31	s	MICRO 100
L519	1-410-482-31	s	MICRO 100
L520	1-410-482-31	s	MICRO 100
L521	1-410-482-31	s	MICRO 100
LV1	1-407-573-00	s	VAR, 47
LV301	1-407-569-00	s	VAR, 10
LV501	1-407-268-00	s	MICRO 1.5mH
Q1	8-729-922-66	s	2SC2410SN
Q2	8-729-922-66	s	2SC2410SN
Q3	8-729-922-66	s	2SC2410SN
Q5	8-729-900-89	s	DTC144ES
Q6	8-729-201-05	s	2SC2878-B
Q7	8-729-922-66	s	2SC2410SN
Q8	8-729-922-66	s	2SC2410SN
Q9	8-729-922-66	s	2SC2410SN
Q10	8-729-119-78	s	2SC2785-HFE
Q11	8-729-113-32	s	2SB733

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Ref No.	Parts No.	SP	Description
Q12	8-729-119-78	s	2SC2785-HFE
Q13	8-729-922-66	s	2SC2410SN
Q14	8-729-922-66	s	2SC2410SN
Q15	8-729-900-89	s	DTC144ES
Q16	8-729-119-78	s	2SC2785-HFE
Q17	8-729-922-66	s	2SC2410SN
Q18	8-729-611-53	s	2SA1115-F
Q19	8-729-922-66	s	2SC2410SN
Q20	8-729-922-66	s	2SC2410SN
Q21	8-729-922-66	s	2SC2410SN
Q22	8-729-922-66	s	2SC2410SN
Q23	8-729-922-66	s	2SC2410SN
Q24	8-729-922-66	s	2SC2410SN
Q25	8-729-105-72	s	2SK523-L1
Q26	8-729-201-05	s	2SC2878-B
Q27	8-729-201-05	s	2SC2878-B
Q28	8-729-922-66	s	2SC2410SN
Q29	8-729-611-53	s	2SA1115-F
45)Q30	8-729-603-50	s	2SC403SP
46)Q30	8-729-281-53	s	2SC1815-GR
Q31	8-729-922-66	s	2SC2410SN
Q32	8-729-922-66	s	2SC2410SN
Q33	8-729-922-66	s	2SC2410SN
Q34	8-729-922-66	s	2SC2410SN
Q35	8-729-922-66	s	2SC2410SN
Q36	8-729-922-66	s	2SC2410SN
Q37	8-729-201-05	s	2SC2878-B
Q38	8-729-922-66	s	2SC2410SN
Q39	8-729-922-66	s	2SC2410SN
Q40	8-729-922-66	s	2SC2410SN
Q41	8-729-922-66	s	2SC2410SN
Q42	8-729-922-66	s	2SC2410SN
Q43	8-729-900-89	s	DTC144ES
31)Q44	8-729-603-50	s	2SC403SP
32)Q44	8-729-119-78	s	2SC2785-HFE
Q45	8-729-922-66	s	2SC2410SN
Q46	8-729-119-78	s	2SC2785-HFE
Q47	8-729-900-89	s	DTC144ES
Q48	8-729-201-05	s	2SC2878-B
Q201	8-729-922-66	s	2SC2410SN
Q202	8-729-611-53	s	2SA1115-F
Q301	8-729-119-78	s	2SC2785-HFE
Q302	8-729-119-78	s	2SC2785-HFE
Q303	8-729-900-89	s	DTC144ES
Q304	8-729-119-78	s	2SC2785-HFE
Q305	8-729-119-78	s	2SC2785-HFE
Q306	8-729-119-78	s	2SC2785-HFE
Q307	8-729-119-78	s	2SC2785-HFE
Q308	8-729-900-89	s	DTC144ES
Q309	8-729-922-66	s	2SC2410SN
Q401	8-729-900-89	s	DTC144ES
Q402	8-729-922-66	s	2SC2410SN
Q403	8-729-201-05	s	2SC2878-B
Q404	8-729-201-05	s	2SC2878-B
Q405	8-729-922-66	s	2SC2410SN
Q406	8-729-275-42	s	2SC2754-Y
Q407	8-729-275-42	s	2SC2754-Y
Q408	8-729-900-89	s	DTC144ES
Q409	8-729-611-53	s	2SA1115-F
Q410	8-729-611-53	s	2SA1115-F
Q411	8-729-611-53	s	2SA1115-F
Q412	8-729-611-53	s	2SA1115-F

Ref No.	Parts No.	SP	Description
8)Q413	8-729-900-89	s	DTC144ES
18)Q413	8-729-281-52	s	2SC1815-Y
Q501	8-729-119-78	s	2SC2785-HFE
Q503	8-729-922-66	s	2SC2410SN
Q504	8-729-922-66	s	2SC2410SN
Q505	8-729-922-66	s	2SC2410SN
Q506	8-729-119-78	s	2SC2785-HFE
Q507	8-729-201-05	s	2SC2878-B
Q508	8-729-922-66	s	2SC2410SN
Q509	8-729-922-66	s	2SC2410SN
Q510	8-729-201-05	s	2SC2878-B
Q519	8-729-119-78	s	2SC2785-HFE
Q520	8-729-922-66	s	2SC2410SN
Q521	8-729-900-87	s	DTC144ES
Q522	8-729-922-66	s	2SC2410SN
Q523	8-729-201-05	s	2SC2878-B
Q524	8-729-201-05	s	2SC2878-B
Q525	8-729-119-78	s	2SC2785-HFE
Q526	8-729-119-78	s	2SC2785-HFE
Q527	8-729-611-53	s	2SA1115-F
Q528	8-729-201-05	s	2SC2878-B
Q529	8-729-201-05	s	2SC2878-B
Q530	8-729-201-05	s	2SC2878-B
Q532	8-729-900-89	s	DTC144ES
Q533	8-729-119-78	s	2SC2785-HFE
Q534	8-729-119-78	s	2SC2785-HFE
Q535	8-729-119-78	s	2SC2785-HFE
Q536	8-729-922-66	s	2SC2410SN
Q537	8-729-119-78	s	2SC2785-HFE
Q538	8-729-119-78	s	2SC2785-HFE
Q539	8-729-119-78	s	2SC2785-HFE
Q540	8-729-119-78	s	2SC2785-HFE
Q541	8-729-611-53	s	2SA1115-F
Q542	8-729-119-78	s	2SC2785-HFE
Q543	8-729-119-78	s	2SC2785-HFE
Q544	8-729-201-05	s	2SC2878-B
Q545	8-729-922-66	s	2SC2410SN
Q546	8-729-922-66	s	2SC2410SN
Q547	8-729-922-66	s	2SC2410SN
31)Q548	8-729-603-50	s	2SC403SP
32)Q548	8-729-119-78	s	2SC2785-HFE
Q549	8-729-900-89	s	DTC144ES
Q550	8-729-922-66	s	2SC2410SN
Q551	8-729-922-66	s	2SC2410SN
Q552	8-729-900-89	s	DTC144ES
Q553	8-729-900-89	s	DTC144ES
24)Q555	8-729-900-36	s	DTC214ES
R54	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R97	1-247-887-00	s	CARBON 220k 5% 1/6W
R122	1-215-390-91	s	METAL 51 1% 1/6W
R129	1-215-390-91	s	METAL 51 1% 1/6W
R442	1-247-883-00	s	CARBON 150k 5% 1/6W
R443	1-247-895-00	s	CARBON 470k 5% 1/6W
R547	1-215-390-91	s	METAL 51 1% 1/6W
R560	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R565	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R610	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R623	1-247-885-00	s	CARBON 180k 5% 1/6W
R625	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R656	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R699	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R704	1-215-390-91	s	METAL 51 1% 1/6W
R800	1-247-903-00	s	CARBON 1M 5% 1/4W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
RV1	1-228-990-00	s	VAR, CARBON 1k
RV2	1-228-990-00	s	VAR, CARBON 1k
RV3	1-228-990-00	s	VAR, CARBON 1k
RV4	1-228-991-00	s	VAR, CARBON 2.2k
RV5	1-228-991-00	s	VAR, CARBON 2.2k
RV6	1-228-991-00	s	VAR, CARBON 2.2k
RV8	1-228-995-00	s	VAR, CARBON 22k
RV9	1-228-991-00	s	VAR, CARBON 2.2k
RV10	1-228-991-00	s	VAR, CARBON 2.2k
RV11	1-228-991-00	s	VAR, CARBON 2.2k
RV12	1-228-991-00	s	VAR, CARBON 2.2k
RV13	1-228-995-00	s	VAR, CARBON 22k
RV14	1-228-991-00	s	VAR, CARBON 2.2k
RV15	1-228-990-00	s	VAR, CARBON 1k
RV16	1-228-991-00	s	VAR, CARBON 2.2k
RV201	1-228-989-00	s	VAR, CARBON 470
RV251	1-228-993-00	s	VAR, CARBON 4.7k
RV301	1-228-994-00	s	VAR, CARBON 10k
RV401	1-228-991-00	s	VAR, CARBON 2.2k
RV402	1-228-990-00	s	VAR, CARBON 1k
RV403	1-228-993-00	s	VAR, CARBON 4.7k
RV501	1-228-991-00	s	VAR, CARBON 2.2k
RV502	1-228-990-00	s	VAR, CARBON 1k
RV503	1-228-991-00	s	VAR, CARBON 2.2k
RV504	1-228-989-00	s	VAR, CARBON 470
RV505	1-228-993-00	s	VAR, CARBON 4.7k
RV506	1-228-995-00	s	VAR, CARBON 22k
RV507	1-228-994-00	s	VAR, CARBON 10k
RV508	1-228-994-00	s	VAR, CARBON 10k
RV509	1-228-995-00	s	VAR, CARBON 22k
RV510	1-228-994-00	s	VAR, CARBON 10k
RV511	1-228-993-00	s	VAR, CARBON 4.7k
RV513	1-228-991-00	s	VAR, CARBON 2.2k
RV514	1-228-991-00	s	VAR, CARBON 2.2k
5) RV515	1-230-841-11	s	VAR, METAL 2k
6) RV515	1-228-991-00	s	VAR, CARBON 2.2k
RV516	1-228-990-00	s	VAR, CARBON 1k
RV517	1-228-990-00	s	VAR, CARBON 1k
RV518	1-228-993-00	s	VAR, CARBON 4.7k
RV519	1-228-995-00	s	VAR, CARBON 22k
RV520	1-228-996-00	s	VAR, CARBON 47k
RV521	1-228-991-00	s	VAR, CARBON 2.2k
RV522	1-228-993-00	s	VAR, CARBON 4.7k
RV523	1-228-991-00	s	VAR, CARBON 2.2k
RV524	1-228-990-00	s	VAR, CARBON 1k
6) S301	1-552-509-00	s	DIP
S501	1-552-509-00	s	DIP
T501	1-425-785-21	s	TRANSFORMER, BURST AMP(BAT)
TH1	1-800-200-00	s	THERMISTOR S-3K
TH501	1-800-200-00	s	THERMISTOR S-3K
TH502	1-800-200-00	s	THERMISTOR S-3K
X501	1-527-376-00	s	OSCILLATOR, CRYSTAL 3.579545MHz

Ref No.	Parts No.	SP	Description

DR-53 BOARD

This board includes the DR-59 board.

Ref No.	Parts No.	SP	Description
	A-6715-367-A	o	MOUNTED CIRCUIT BOARD, DR-53
C9	1-102-121-00	s	CERAMIC 0.0022 10% 50V
C10	1-102-121-00	s	CERAMIC 0.0022 10% 50V
C11	1-102-121-00	s	CERAMIC 0.0022 10% 50V
C12	1-102-121-00	s	CERAMIC 0.0022 10% 50V
CN1	1-566-096-11	s	PIN, BOARD TO BOARD 12P (DR-53 to DR-59)
CN806	1-508-900-00	s	(M) 2P
D1	8-719-911-55	s	U05G
D2	8-719-200-02	s	10E-2
D3	8-719-200-02	s	10E-2
D4	8-719-200-02	s	10E-2
⚠ PS1	1-532-686-00	s	LINK,
PS2	1-532-686-00	s	LINK,
Q1	8-729-114-11	s	2SA1141
Q2	8-729-102-57	s	2SC3012
Q3	8-729-114-11	s	2SA1141
Q4	8-729-102-57	s	2SC3012
Q5	8-729-177-43	s	2SD774
Q6	8-729-376-83	s	2SA768-Y
Q7	8-729-376-83	s	2SA768-Y
Q8	8-729-177-43	s	2SD774
Q9	8-729-376-83	s	2SA768-Y
Q10	8-729-376-83	s	2SA768-Y
Q101	8-729-177-43	s	2SD774
Q102	8-729-103-43	s	2SB734
Q103	8-729-177-43	s	2SD774
Q104	8-729-103-43	s	2SB734
R2	1-217-156-00	s	VAR, METAL PLATE 0.22
R4	1-217-156-00	s	VAR, METAL PLATE 0.22
R5	1-247-887-00	s	CARBON 220k 5% 1/6W
R6	1-207-620-00	s	WIREWOUND 1 10% 3W
R7	1-247-887-00	s	CARBON 220k 5% 1/6W
R8	1-207-620-00	s	WIREWOUND 1 10% 3W
R101	1-247-887-00	s	CARBON 220k 5% 1/6W
R102	1-247-741-11	s	CARBON 150 5% 1/2W
R103	1-215-914-11	s	WIREWOUND 330 10% 3W
R104	1-207-628-00	s	WIREWOUND 10 10% 3W
R105	1-247-887-00	s	CARBON 220k 5% 1/6W
R106	1-247-741-11	s	CARBON 150 5% 1/2W
R107	1-215-914-11	s	WIREWOUND 330 10% 3W
R108	1-207-628-00	s	WIREWOUND 10 10% 3W
RV1	1-228-989-00	s	VAR, CARBON 470
RV2	1-228-989-00	s	VAR, CARBON 470

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

DSC-44 BOARD

Ref No.	Parts No.	SP	Description
	A-6717-460-A	o	MOUNTED CIRCUIT BOARD, DSC-44
C1	1-124-445-00	s	ELECT 100 20% 16V
C2	1-161-494-00	s	CERAMIC 0.022 30% 25V
C3	1-124-445-00	s	ELECT 100 20% 16V
C4	1-161-494-00	s	CERAMIC 0.022 30% 25V
C6	1-123-617-00	s	ELECT 10 20% 16V
C7	1-123-617-00	s	ELECT 10 20% 16V
C8	1-161-494-00	s	CERAMIC 0.022 30% 25V
C9	1-123-617-00	s	ELECT 10 20% 16V
C10	1-124-463-00	s	ELECT 0.1 20% 50V
C11	1-162-290-31	s	CERAMIC 470PF 10% 50V
C13	1-162-290-31	s	CERAMIC 470PF 10% 50V
C14	1-161-494-00	s	CERAMIC 0.022 30% 25V
C15	1-161-494-00	s	CERAMIC 0.022 30% 25V
C16	1-123-617-00	s	ELECT 10 20% 16V
9) C21	1-107-163-00	s	MICA 47PF 5% 500V
C23	1-161-494-00	s	CERAMIC 0.022 30% 25V
C24	1-161-494-00	s	CERAMIC 0.022 30% 25V
C26	1-102-112-00	s	CERAMIC 330PF 10% 50V
C27	1-102-112-00	s	CERAMIC 330PF 10% 50V
CN230	1-506-747-21	o	PIN, DIN(DIP) 64P
CV1	1-141-260-00	s	TRIMAR, CERAMIC
D1	8-719-144-07	s	RD2.4E-B
D2	8-719-911-19	s	1SS119
D3	8-719-911-19	s	1SS119
29)IC1	8-759-102-37	s	UPD4052BC(TOSHIBA)
30)IC1	8-759-208-08	s	TC4052BPHB(TOSHIBA)
IC2	8-759-201-47	s	TA7357AP(TOSHIBA)
IC3	8-759-982-25	s	RC78L09A(RAYTHEON)
IC4	8-759-908-23	s	MB88303(FUJITSU)
IC5	8-759-220-04	s	TC40H004P(TOSHIBA)
IC6	8-759-045-38	s	MC14538BCP(MOTOROLA)
Q1	8-729-178-54	s	2SC2785
Q2	8-729-178-54	s	2SC2785
Q4	8-729-178-54	s	2SC2785
Q5	8-729-178-54	s	2SC2785
Q6	8-729-117-54	s	2SA1175
R34	1-247-883-00	s	CARBON 150k 5% 1/6W
R36	1-247-895-00	s	CARBON 470k 5% 1/6W
RV1	1-228-996-00	s	VAR, CARBON 47k

DUS-71 BOARD

All of the component parts on the DUS-71 board are supplied together when you order AU-83 board.

Ref No.	Parts No.	SP	Description
	1-615-169-11	o	PRINTED CIRCUIT BOARD, DUS-71
LV102	1-407-307-00	s	MICRO 33mH
LV103	1-407-307-00	s	MICRO 33mH

DUS-71 BOARD

All of the component parts on the DUS-71 board are supplied together when you order AU-84 board.

Ref No.	Parts No.	SP	Description
	1-615-169-11	o	PRINTED CIRCUIT BOARD, DUS-71
LV202	1-407-307-00	s	MICRO 33mH
LV203	1-407-307-00	s	MICRO 33mH

DUS-92 BOARD

Ref No.	Parts No.	SP	Description
	1-615-924-11	o	PRINTED CIRCUIT BOARD, DUS-92

DUS-147 BOARD

Ref No.	Parts No.	SP	Description
	1-622-261-11	o	PRINTED CIRCUIT BOARD, DUS-147

DUS-177 BOARD

Ref No.	Parts No.	SP	Description
	1-622-715-11	o	PRINTED CIRCUIT BOARD, DUS-177

DUS-178 BOARD

Ref No.	Parts No.	SP	Description
	1-622-716-11	o	PRINTED CIRCUIT BOARD, DUS-178

EX-127 BOARD

Ref No.	Parts No.	SP	Description
	A-6729-494-A	s	MOUNTED CIRCUIT BOARD, EX-127
CN1	1-506-747-21	o	PIN, DIN (DIP) 64P
CN2	1-563-340-21	o	HOUSING, (DIP) 64P

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

EX-128 BOARD

Ref No.	Parts No.	SP	Description
	A-6729-495-A	s	MOUNTED CIRCUIT BOARD, EX-128
CN1	1-506-747-21	o	PIN, DIN (DIP) 64P
CN2	1-563-340-21	o	HOUSING, (DIP) 64P
CN3	1-506-747-21	o	PIN, DIN (DIP) 64P
CN4	1-563-340-21	o	HOUSING, (DIP) 64P

HN-80 BOARD

Ref No.	Parts No.	SP	Description
	1-622-725-11	o	PRINTED CIRCUIT BOARD, HN-80
C1	1-161-379-00	s	CERAMIC 0.01 30% 16V
C2	1-161-379-00	s	CERAMIC 0.01 30% 16V
C3	1-161-379-00	s	CERAMIC 0.01 30% 16V
CN227	1-566-508-11	o	PLUG, (PCB-PCB) 20P
CN228	1-566-508-11	o	PLUG, (PCB-PCB) 20P
CN651	1-506-813-11	o	BOARD IN CONNECTOR, 4P
CN652	1-506-819-11	o	BOARD IN CONNECTOR, 10P
CN654	1-506-812-11	o	BOARD IN CONNECTOR, 3P
CN655	1-506-814-11	o	BOARD IN CONNECTOR, 5P
CN658	1-506-814-11	o	BOARD IN CONNECTOR, 5P
D1	8-719-200-02	s	10E-2
D2	8-719-911-19	s	1SS119
D3	8-719-911-19	s	1SS119
D5	8-719-200-02	s	10E-2
D6	8-719-200-02	s	10E-2
IC1	8-759-600-24	s	M54543L(MITSUBISHI)
⚠ PS1	1-532-686-00	s	LINK,

HN-83 BOARD

Ref No.	Parts No.	SP	Description
	1-622-719-11	o	PRINTED CIRCUIT BOARD, HN-83

HN-84 BOARD

Ref No.	Parts No.	SP	Description
	1-622-726-11	o	PRINTED CIRCUIT BOARD, HN-84

HP-28 BOARD

Ref No.	Parts No.	SP	Description
	1-622-730-11	o	PRINTED CIRCUIT BOARD, HP-28
C21	1-161-379-00	s	CERAMIC 0.01 30% 16V

S/N UP TO 10755 (J)
S/N UP TO 13690 (UC)

KY-101 BOARD

This board includes the DP-62 board.

Ref No.	Parts No.	SP	Description
	A-6717-459-A	o	MOUNTED CIRCUIT BOARD, KY-101
BT1	1-528-229-11	o	BATTERY, LITHIUM (CR-2450)
C2	1-162-210-31	s	CERAMIC 30PF 5% 50V
C3	1-162-210-31	s	CERAMIC 30PF 5% 50V
C8	1-125-443-11	s	DOUBLE LAYERS 0.047F 5.5V
C9	1-124-245-00	s	ELECT 4.7 20% 16V
C10	1-161-379-00	s	CERAMIC 0.01 30% 16V
C12	1-162-210-31	s	CERAMIC 30PF 5% 50V
C13	1-162-210-31	s	CERAMIC 30PF 5% 50V
C17	1-124-245-00	s	ELECT 4.7 20% 16V
C101	1-131-346-00	s	TANTALUM 0.68 10% 35V
C102	1-131-346-00	s	TANTALUM 0.68 10% 35V
C103	1-131-346-00	s	TANTALUM 0.68 10% 35V
C104	1-131-346-00	s	TANTALUM 0.68 10% 35V
C105	1-131-346-00	s	TANTALUM 0.68 10% 35V
C106	1-131-346-00	s	TANTALUM 0.68 10% 35V
C107	1-131-346-00	s	TANTALUM 0.68 10% 35V
C108	1-131-346-00	s	TANTALUM 0.68 10% 35V
C109	1-131-346-00	s	TANTALUM 0.68 10% 35V
CN1	1-506-696-11	o	HEADER 10P
CN3	1-557-237-11	o	WIRE, FLAT TYPE 23P (KY-101 to DP-62)
D1	8-719-911-19	s	1SS119
D2	8-719-911-19	s	1SS119
D3	8-719-911-19	s	1SS119
D4	8-719-911-19	s	1SS119
D5	8-719-911-19	s	1SS119
D6	8-719-911-19	s	1SS119
D7	8-719-911-19	s	1SS119
D8	8-719-911-19	s	1SS119
D9	8-719-911-19	s	1SS119
D10	8-719-911-19	s	1SS119
D11	8-719-911-19	s	1SS119
D12	8-719-911-19	s	1SS119
D13	8-719-911-19	s	1SS119
D14	8-719-911-19	s	1SS119
D15	8-719-911-19	s	1SS119

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
D16	8-719-911-19	s	1SS119
D17	8-719-911-19	s	1SS119
D18	8-719-911-19	s	1SS119
D19	8-719-911-19	s	1SS119
D20	8-719-911-19	s	1SS119
D21	8-719-911-19	s	1SS119
D22	8-719-911-19	s	1SS119
D23	8-719-911-19	s	1SS119
D24	8-719-911-19	s	1SS119
D25	8-719-911-19	s	1SS119
D26	8-719-911-19	s	1SS119
D27	8-719-911-19	s	1SS119
D28	8-719-911-19	s	1SS119
D29	8-719-904-55	s	GL-5HD5
D30	8-719-904-55	s	GL-5HD5
D31	8-719-904-55	s	GL-5HD5
D32	8-719-904-55	s	GL-5HD5
D33	8-719-904-55	s	GL-5HD5
D34	8-719-904-55	s	GL-5HD5
D35	8-719-904-55	s	GL-5HD5
D36	8-719-904-55	s	GL-5HD5
D37	8-719-904-55	s	GL-5HD5
D38	8-719-904-55	s	GL-5HD5
D39	8-719-800-86	s	TLG255
D40	8-719-800-86	s	TLG255
D41	8-719-904-55	s	GL-5HD5
D42	8-719-904-55	s	GL-5HD5
D43	8-719-904-55	s	GL-5HD5
D44	8-719-904-55	s	GL-5HD5
D45	8-719-911-19	s	1SS119
D46	8-719-911-19	s	1SS119
D48	8-719-200-02	s	10E-2
D49	8-719-911-19	s	1SS119
D50	8-719-200-02	s	10E-2
D51	8-719-911-19	s	1SS119
D52	8-719-911-19	s	1SS119
D53	8-719-802-11	s	TLUG154
D54	8-719-911-19	s	1SS119
D55	8-719-911-19	s	1SS119
D201	8-719-942-19	s	LB-402VK
D202	8-719-942-19	s	LB-402VK
D203	8-719-942-19	s	LB-402VK
D204	8-719-942-19	s	LB-402VK
IC1	8-759-605-23	s	M50747H-601SP(MITSUBISHI)
IC2	8-759-645-16	s	M54516P(MITSUBISHI)
IC3	8-759-645-16	s	M54516P(MITSUBISHI)
IC4	8-759-645-16	s	M54516P(MITSUBISHI)
IC5	8-759-600-68	s	M54562P(MITSUBISHI)
IC6	8-759-171-05	s	UPC7805H(NEC)
IC7	8-759-937-29	s	MB88201H-539N(FUJITSU)
IC101	8-759-600-61	s	M54529AP(MITSUBISHI)
IC102	8-759-600-61	s	M54529AP(MITSUBISHI)

Ref No.	Parts No.	SP	Description
Q1	8-729-900-67	s	DTA124XS
Q2	8-729-900-67	s	DTA124XS
Q3	8-729-900-67	s	DTA124XS
Q4	8-729-900-67	s	DTA124XS
Q5	8-729-275-42	s	2SC2754-Y
Q6	8-729-275-42	s	2SC2754-Y
Q8	8-729-117-54	s	2SA1175
Q9	8-729-117-54	s	2SA1175
Q10	8-729-117-54	s	2SA1175
Q11	8-729-117-54	s	2SA1175
Q12	8-729-117-54	s	2SA1175
Q13	8-729-117-54	s	2SA1175
Q14	8-729-117-54	s	2SA1175
Q15	8-729-900-89	s	DTC144ES
Q101	8-729-117-54	s	2SA1175
Q102	8-729-117-54	s	2SA1175
Q103	8-729-117-54	s	2SA1175
Q104	8-729-117-54	s	2SA1175
Q105	8-729-117-54	s	2SA1175
Q106	8-729-117-54	s	2SA1175
Q107	8-729-117-54	s	2SA1175
Q108	8-729-117-54	s	2SA1175
Q109	8-729-117-54	s	2SA1175
S1	1-552-539-00	s	KEY BOARD "OUT"
S2	1-552-539-00	s	KEY BOARD "IN"
S3	1-552-539-00	s	KEY BOARD "REVIEW"
S4	1-552-539-00	s	KEY BOARD "AUTO EDIT"
S5	1-552-539-00	s	KEY BOARD "PREVIEW"
S6	1-552-539-00	s	KEY BOARD "ASSEMBLE"
S7	1-552-539-00	s	KEY BOARD "VIDEO"
S8	1-552-539-00	s	KEY BOARD "AU CH-1"
S9	1-552-539-00	s	KEY BOARD "AU CH-2"
5) S10	1-554-039-11	s	PUSH "STANDBY"
6) S10	1-571-167-11	s	TACTIL "STANBY"
5) S11	1-554-039-11	s	PUSH "PREROLL"
6) S11	1-571-167-11	s	TACTIL "PREROLL"
5) S12	1-554-040-21	s	PUSH "REC"
6) S12	1-571-168-21	s	TACTIL "REC"
5) S13	1-554-039-11	s	PUSH "EDIT"
6) S13	1-571-167-11	s	TACTIL "EDIT"
S14	1-552-539-00	s	KEY BOARD "SEARCH"
S15	1-571-169-11	s	TACTIL "EJECT"
5) S16	1-554-039-51	s	PUSH "REW"
6) S16	1-571-167-31	s	TACTIL "REW"
5) S17	1-554-039-21	s	PUSH "PLAY"
6) S17	1-571-167-21	s	TACTIL "PLAY"
5) S18	1-554-039-41	s	PUSH "F FWD"
6) S18	1-571-167-41	s	TACTIL "F FWD"
S19	1-571-169-21	s	TACTIL "STOP"
S20	1-516-994-00	s	LEVER SLIDE "PB/EE"
S23	1-552-539-00	s	KEY BOARD "PLAYER"
S24	1-552-539-00	s	KEY BOARD "RECORDER"
S25	1-552-539-00	s	KEY BOARD "ENTRY"
S26	1-552-539-00	s	KEY BOARD "TRIM(-)"
S27	1-552-539-00	s	KEY BOARD "TRIM(+)"
S28	1-516-995-00	s	LEVER SLIDE "DATA"
S29	1-552-539-00	s	KEY BOARD "SET"
S201	1-552-539-00	s	KEY BOARD "LAP"
S202	1-552-539-00	s	KEY BOARD "RESET"
X1	1-567-869-11	s	VIBRATOR, CERAMIC 9.83MHz
X2	1-567-192-11	s	OSCILLATOR, CERAMIC 4MHz

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

S/N 10756 AND HIGHER (J)
S/N 13691 AND HIGHER (UC)

KY-144 BOARD

This board includes the DP-62 board.

Ref No.	Parts No.	SP	Description
	A-6717-491-A	o	MOUNTED CIRCUIT BOARD, KY-144
BT1	1-528-229-11	o	BATTERY, LITHIUM (CR-2450)
C2	1-162-210-31	s	CERAMIC 30PF 5% 50V
C3	1-162-210-31	s	CERAMIC 30PF 5% 50V
C8	1-125-443-11	s	DOUBLE LAYERS 0.047F 5.5V
C9	1-124-245-00	s	ELECT 4.7 20% 16V
C10	1-161-379-00	s	CERAMIC 0.01 30% 16V
C12	1-162-210-31	s	CERAMIC 30PF 5% 50V
C13	1-162-210-31	s	CERAMIC 30PF 5% 50V
C17	1-124-245-00	s	ELECT 4.7 20% 16V
C101	1-131-346-00	s	TANTALUM 0.68 10% 35V
C102	1-131-346-00	s	TANTALUM 0.68 10% 35V
C103	1-131-346-00	s	TANTALUM 0.68 10% 35V
C104	1-131-346-00	s	TANTALUM 0.68 10% 35V
C105	1-131-346-00	s	TANTALUM 0.68 10% 35V
C106	1-131-346-00	s	TANTALUM 0.68 10% 35V
C107	1-131-346-00	s	TANTALUM 0.68 10% 35V
C108	1-131-346-00	s	TANTALUM 0.68 10% 35V
C109	1-131-346-00	s	TANTALUM 0.68 10% 35V
CN1	1-506-696-11	o	HEADER 10P
CN3	1-557-237-11	o	WIRE, FLAT TYPE 23P (KY-101 to DP-62)
D1	8-719-911-19	s	1SS119
D2	8-719-911-19	s	1SS119
D3	8-719-911-19	s	1SS119
D4	8-719-911-19	s	1SS119
D5	8-719-911-19	s	1SS119
D6	8-719-911-19	s	1SS119
D7	8-719-911-19	s	1SS119
D8	8-719-911-19	s	1SS119
D9	8-719-911-19	s	1SS119
D10	8-719-911-19	s	1SS119
D11	8-719-911-19	s	1SS119
D12	8-719-911-19	s	1SS119
D13	8-719-911-19	s	1SS119
D14	8-719-911-19	s	1SS119
D15	8-719-911-19	s	1SS119
D16	8-719-911-19	s	1SS119
D17	8-719-911-19	s	1SS119
D18	8-719-911-19	s	1SS119
D19	8-719-911-19	s	1SS119
D20	8-719-911-19	s	1SS119
D21	8-719-911-19	s	1SS119
D22	8-719-911-19	s	1SS119
D23	8-719-911-19	s	1SS119
D24	8-719-911-19	s	1SS119
D25	8-719-911-19	s	1SS119
D26	8-719-911-19	s	1SS119
D27	8-719-911-19	s	1SS119
D28	8-719-911-19	s	1SS119
D29	8-719-939-39	s	GL-5HD5
D30	8-719-939-39	s	GL-5HD5
D31	8-719-939-39	s	GL-5HD5
D32	8-719-939-39	s	GL-5HD5
D33	8-719-939-39	s	GL-5HD5
D34	8-719-939-39	s	GL-5HD5
D35	8-719-939-39	s	GL-5HD5
D36	8-719-939-39	s	GL-5HD5
D37	8-719-939-39	s	GL-5HD5
D38	8-719-939-39	s	GL-5HD5
D39	8-719-800-86	s	TLG255
D40	8-719-800-86	s	TLG255
D41	8-719-939-39	s	GL-5HD5
D42	8-719-939-39	s	GL-5HD5
D43	8-719-939-39	s	GL-5HD5
D44	8-719-939-39	s	GL-5HD5
D45	8-719-911-19	s	1SS119
D46	8-719-911-19	s	1SS119
D48	8-719-200-02	s	10E-2
D49	8-719-911-19	s	1SS119
D50	8-719-200-02	s	10E-2
D51	8-719-911-19	s	1SS119
D52	8-719-911-19	s	1SS119
D53	8-719-802-11	s	TLUG154
D54	8-719-911-19	s	1SS119
D55	8-719-911-19	s	1SS119
D201	8-719-942-19	s	LB-402VK
D202	8-719-942-19	s	LB-402VK
D203	8-719-942-19	s	LB-402VK
D204	8-719-942-19	s	LB-402VK
IC1	8-759-605-23	s	M50747H-601SP(MITSUBISHI)
IC2	8-759-645-16	s	M54516P(MITSUBISHI)
IC3	8-759-645-16	s	M54516P(MITSUBISHI)
IC4	8-759-645-16	s	M54516P(MITSUBISHI)
IC5	8-759-600-68	s	M54562P(MITSUBISHI)
IC6	8-759-171-05	s	UPC7805H(NEC)
IC7	8-759-937-29	s	MB88201H-539N(FUJITSU)
IC101	8-759-600-61	s	M54529AP(MITSUBISHI)
IC102	8-759-600-61	s	M54529AP(MITSUBISHI)
Q1	8-729-900-67	s	DTA124XS
Q2	8-729-900-67	s	DTA124XS
Q3	8-729-900-67	s	DTA124XS
Q4	8-729-900-67	s	DTA124XS
Q5	8-729-275-42	s	2SC2754-Y

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
Q6	8-729-275-42	s	2SC2754-Y
Q8	8-729-117-54	s	2SA1175
Q9	8-729-117-54	s	2SA1175
Q10	8-729-117-54	s	2SA1175
Q11	8-729-117-54	s	2SA1175
Q12	8-729-117-54	s	2SA1175
Q13	8-729-117-54	s	2SA1175
Q14	8-729-117-54	s	2SA1175
Q15	8-729-900-89	s	DTC144ES
Q101	8-729-117-54	s	2SA1175
Q102	8-729-117-54	s	2SA1175
Q103	8-729-117-54	s	2SA1175
Q104	8-729-117-54	s	2SA1175
Q105	8-729-117-54	s	2SA1175
Q106	8-729-117-54	s	2SA1175
Q107	8-729-117-54	s	2SA1175
Q108	8-729-117-54	s	2SA1175
Q109	8-729-117-54	s	2SA1175
S1	1-552-539-00	s	KEY BOARD "OUT"
S2	1-552-539-00	s	KEY BOARD "IN"
S3	1-552-539-00	s	KEY BOARD "REVIEW"
S4	1-552-539-00	s	KEY BOARD "AUTO EDIT"
S5	1-552-539-00	s	KEY BOARD "PREVIEW"
S6	1-552-539-00	s	KEY BOARD "ASSEMBLE"
S7	1-552-539-00	s	KEY BOARD "VIDEO"
S8	1-552-539-00	s	KEY BOARD "AU CH-1"
S9	1-552-539-00	s	KEY BOARD "AU CH-2"
S10	1-571-167-11	s	TACTIL "STANBY"
S11	1-571-167-11	s	TACTIL "PREROLL"
S12	1-571-168-21	s	TACTIL "REC"
S13	1-571-167-11	s	TACTIL "EDIT"
S14	1-552-539-00	s	KEY BOARD "SEARCH"
S15	1-571-169-11	s	TACTIL "EJECT"
S16	1-571-167-31	s	TACTIL "REW"
S17	1-571-167-21	s	TACTIL "PLAY"
S18	1-571-167-41	s	TACTIL "F FWD"
S19	1-571-169-21	s	TACTIL "STOP"
S20	1-516-961-00	s	LEVER SLIDE "PB/EE"
S23	1-552-539-00	s	KEY BOARD "PLAYER"
S24	1-552-539-00	s	KEY BOARD "RECORDER"
S25	1-552-539-00	s	KEY BOARD "ENTRY"
S26	1-552-539-00	s	KEY BOARD "TRIM(-)"
S27	1-552-539-00	s	KEY BOARD "TRIM(+)"
S28	1-516-995-00	s	LEVER SLIDE "DATA"
S29	1-552-539-00	s	KEY BOARD "SET"
S201	1-552-539-00	s	KEY BOARD "LAP"
S202	1-552-539-00	s	KEY BOARD "RESET"
X1	1-567-869-11	s	VIBRATOR, CERAMIC 9.83MHz
X2	1-567-192-11	s	OSCILLATOR, CERAMIC 4MHz

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

LE-53 BOARD

Ref No.	Parts No.	SP	Description
	1-622-720-11	o	PRINTED CIRCUIT BOARD, LE-53
D1	8-719-930-20	o	HLMP-1302

LE-54 BOARD

Ref No.	Parts No.	SP	Description
	1-622-717-11	o	PRINTED CIRCUIT BOARD, LE-54
D1	8-719-930-20	s	HLMP-1302

LM-13 BOARD

Ref No.	Parts No.	SP	Description
	1-618-600-11	o	PRINTED CIRCUIT BOARD, LM-13
C1	1-130-471-00	s	PE TEREPHTHALATE 0.001
C2	1-130-471-00	s	PE TEREPHTHALATE 0.001

LP-41 BOARD

Ref No.	Parts No.	SP	Description
	1-623-101-11	o	PRINTED CIRCUIT BOARD, LP-41
D1	8-719-800-89	s	TLY255
D2	8-719-800-89	s	TLY255
D3	8-719-800-89	s	TLY255
R1	1-247-706-11	s	CARBON 330 5% 1/4W
R2	1-247-706-11	s	CARBON 330 5% 1/4W
R3	1-247-706-11	s	CARBON 330 5% 1/4W

MB-127 BOARD

This board includes the MB-139 board.

Ref No.	Parts No.	SP	Description
	A-6729-502-A	o	MOUNTED CIRCUIT BOARD, MB-127
CN101	1-563-336-21	o	HOUSING, (DIP) 64P
CN102	1-563-336-21	o	HOUSING, (DIP) 64P
CN103	1-563-336-21	o	HOUSING, (DIP) 64P
CN104	1-563-336-21	o	HOUSING, (DIP) 64P
CN105	1-563-336-21	o	HOUSING, (DIP) 64P
CN106	1-563-336-21	o	HOUSING, (DIP) 64P
CN107	1-563-336-21	o	HOUSING, (DIP) 64P
CN108	1-563-336-21	o	HOUSING, (DIP) 64P
CN109	1-563-336-21	o	HOUSING, (DIP) 64P
CN110	1-566-313-11	o	PIN, 7P
	1-562-883-11	o	HOUSING, 7P
CN111	1-564-607-11	o	PIN, 6P
	1-562-287-11	o	HOUSING, 6P
CN220	1-506-819-11	o	BOARD IN CONNECTOR, 10P
CN221	1-506-819-11	o	BOARD IN CONNECTOR, 10P
CN222	1-506-819-11	o	BOARD IN CONNECTOR, 10P
CN223	1-506-821-11	o	BOARD IN CONNECTOR, 12P
CN224	1-506-821-11	o	BOARD IN CONNECTOR, 12P
CN225	1-506-819-11	o	BOARD IN CONNECTOR, 10P
CN226	1-506-814-11	o	BOARD IN CONNECTOR, 5P
CN227	1-563-994-11	o	SOCKET, (PCB-PCB)20P
CN228	1-563-994-11	o	SOCKET, (PCB-PCB)20P
CN231	1-563-994-11	o	SOCKET, (PCB-PCB)20P
CN232	1-563-994-11	o	SOCKET, (PCB-PCB)20P
CN233	1-563-994-11	o	SOCKET, (PCB-PCB)20P

MB-139 BOARD

All of the component parts on the MB-139 board are supplied together when you order MB-127 board.

Ref No.	Parts No.	SP	Description
	1-622-714-11	o	PRINTED CIRCUIT BOARD, MB-139
CN230	1-563-336-21	o	HOUSING, (DIP) 64P
CN241	1-566-508-11	o	PLUG, (PCB-PCB) 20P
CN242	1-566-508-11	o	PLUG, (PCB-PCB) 20P
CN243	1-566-508-11	o	PLUG, (PCB-PCB) 20P

MD-44 BOARD

Ref No.	Parts No.	SP	Description
	A-6711-826-A	o	MOUNTED CIRCUIT BOARD, MD-44
C5	1-161-494-00	s	CERAMIC 0.022 30% 25V
C7	1-161-379-00	s	CERAMIC 0.01 30% 16V
C13	1-161-379-00	s	CERAMIC 0.01 30% 16V
C16	1-161-379-00	s	CERAMIC 0.01 30% 16V
C19	1-161-494-00	s	CERAMIC 0.022 30% 25V
C21	1-161-379-00	s	CERAMIC 0.01 30% 16V
C22	1-124-445-00	s	ELECT 100 20% 16V
C24	1-123-617-00	s	ELECT 10 20% 16V
C25	1-161-379-00	s	CERAMIC 0.01 30% 16V
C26	1-161-379-00	s	CERAMIC 0.01 30% 16V
C27	1-123-617-00	s	ELECT 10 20% 16V
C28	1-161-379-00	s	CERAMIC 0.01 30% 16V
C34	1-123-661-00	s	ELECT 100 20% 6.3V
C38	1-161-379-00	s	CERAMIC 0.01 30% 16V
C39	1-161-379-00	s	CERAMIC 0.01 30% 16V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description			
C41	1-161-379-00	s	CERAMIC	0.01	30%	16V
C43	1-123-617-00	s	ELECT	10	20%	16V
C44	1-161-379-00	s	CERAMIC	0.01	30%	16V
C45	1-161-379-00	s	CERAMIC	0.01	30%	16V
C46	1-123-617-00	s	ELECT	10	20%	16V
C50	1-161-379-00	s	CERAMIC	0.01	30%	16V
C57	1-161-379-00	s	CERAMIC	0.01	30%	16V
C59	1-161-379-00	s	CERAMIC	0.01	30%	16V
C60	1-161-379-00	s	CERAMIC	0.01	30%	16V
C62	1-123-617-00	s	ELECT	10	20%	16V
C63	1-161-379-00	s	CERAMIC	0.01	30%	16V
C65	1-123-617-00	s	ELECT	10	20%	16V
C66	1-123-617-00	s	ELECT	10	20%	16V
C67	1-123-617-00	s	ELECT	10	20%	16V
C68	1-123-617-00	s	ELECT	10	20%	16V
C71	1-123-617-00	s	ELECT	10	20%	16V
C72	1-161-379-00	s	CERAMIC	0.01	30%	16V
C73	1-123-617-00	s	ELECT	10	20%	16V
C74	1-161-379-00	s	CERAMIC	0.01	30%	16V
C77	1-123-617-00	s	ELECT	10	20%	16V
C78	1-123-617-00	s	ELECT	10	20%	16V
C79	1-123-617-00	s	ELECT	10	20%	16V
C80	1-123-617-00	s	ELECT	10	20%	16V
C81	1-161-379-00	s	CERAMIC	0.01	30%	16V
C82	1-123-617-00	s	ELECT	10	20%	16V
C83	1-123-617-00	s	ELECT	10	20%	16V
C85	1-161-494-00	s	CERAMIC	0.022	30%	25V
C87	1-123-617-00	s	ELECT	10	20%	16V
C88	1-161-379-00	s	CERAMIC	0.01	30%	16V
C89	1-123-617-00	s	ELECT	10	20%	16V
C90	1-124-224-00	s	ELECT	47	20%	6.3V
C91	1-161-379-00	s	CERAMIC	0.01	30%	16V
C95	1-124-224-00	s	ELECT	47	20%	6.3V
C97	1-124-224-00	s	ELECT	47	20%	6.3V
C98	1-126-101-11	s	ELECT	100	20%	16V
C101	1-161-379-00	s	CERAMIC	0.01	30%	16V
C103	1-161-379-00	s	CERAMIC	0.01	30%	16V
C104	1-161-379-00	s	CERAMIC	0.01	30%	16V
C107	1-161-379-00	s	CERAMIC	0.01	30%	16V
C108	1-161-379-00	s	CERAMIC	0.01	30%	16V
C109	1-161-379-00	s	CERAMIC	0.01	30%	16V
C110	1-161-379-00	s	CERAMIC	0.01	30%	16V
C111	1-161-379-00	s	CERAMIC	0.01	30%	16V
C112	1-161-494-00	s	CERAMIC	0.022	30%	25V
C118	1-162-732-11	s	CERAMIC	820PF	1%	50V
C131	1-123-617-00	s	ELECT	10	20%	16V
C138	1-161-379-00	s	CERAMIC	0.01	30%	16V
C140	1-124-462-00	s	ELECT	10	20%	10V
C143	1-123-617-00	s	ELECT	10	20%	16V
C144	1-123-617-00	s	ELECT	10	20%	16V
C148	1-162-726-11	s	CERAMIC	470PF	1%	50V
C155	1-131-374-00	s	TANTALUM	33	10%	16V
C156	1-131-356-00	s	TANTALUM	3.3	10%	25V
C157	1-161-379-00	s	CERAMIC	0.01	30%	16V
C161	1-161-494-00	s	CERAMIC	0.022	30%	25V
C165	1-161-379-00	s	CERAMIC	0.01	30%	16V
C170	1-161-379-00	s	CERAMIC	0.01	30%	16V
C172	1-161-379-00	s	CERAMIC	0.01	30%	16V
C175	1-161-379-00	s	CERAMIC	0.01	30%	16V

Ref No.	Parts No.	SP	Description			
C176	1-161-379-00	s	CERAMIC	0.01	30%	16V
C177	1-161-494-00	s	CERAMIC	0.022	30%	25V
C179	1-161-379-00	s	CERAMIC	0.01	30%	16V
C182	1-161-379-00	s	CERAMIC	0.01	30%	16V
C183	1-161-494-00	s	CERAMIC	0.022	30%	25V
C184	1-161-494-00	s	CERAMIC	0.022	30%	25V
C185	1-161-379-00	s	CERAMIC	0.01	30%	16V
C186	1-161-379-00	s	CERAMIC	0.01	30%	16V
C188	1-124-245-00	s	ELECT	4.7	20%	25V
C189	1-161-379-00	s	CERAMIC	0.01	30%	16V
C191	1-161-379-00	s	CERAMIC	0.01	30%	16V
C193	1-161-379-00	s	CERAMIC	0.01	30%	16V
C195	1-161-494-00	s	CERAMIC	0.022	30%	25V
C197	1-161-379-00	s	CERAMIC	0.01	30%	16V
C198	1-123-611-00	s	ELECT	1	20%	50V
C199	1-124-462-00	s	ELECT	10	20%	10V
C201	1-162-215-31	s	CERAMIC	47PF	5%	50V
C202	1-123-617-00	s	ELECT	10	20%	16V
C204	1-161-379-00	s	CERAMIC	0.01	30%	16V
C205	1-161-494-00	s	CERAMIC	0.022	30%	25V
C206	1-161-379-00	s	CERAMIC	0.01	30%	16V
C210	1-124-462-00	s	ELECT	10	20%	10V
C214	1-123-617-00	s	ELECT	10	20%	16V
C216	1-162-728-11	s	CERAMIC	560PF	1%	50V
C217	1-123-617-00	s	ELECT	10	20%	16V
C218	1-123-617-00	s	ELECT	10	20%	16V
C220	1-124-638-11	s	ELECT	22	20%	10V
C221	1-123-617-00	s	ELECT	10	20%	16V
C223	1-161-379-00	s	CERAMIC	0.01	30%	16V
C227	1-131-344-00	s	TANTALUM	0.33	10%	35V
C231	1-131-351-00	s	TANTALUM	4.7	10%	35V
C234	1-161-379-00	s	CERAMIC	0.01	30%	16V
C235	1-123-617-00	s	ELECT	10	20%	16V
C236	1-123-617-00	s	ELECT	10	20%	16V
C238	1-161-379-00	s	CERAMIC	0.01	30%	16V
C240	1-161-379-00	s	CERAMIC	0.01	30%	16V
C241	1-161-379-00	s	CERAMIC	0.01	30%	16V
C243	1-162-732-11	s	CERAMIC	820PF	1%	50V
C244	1-161-379-00	s	CERAMIC	0.01	30%	16V
C245	1-161-379-00	s	CERAMIC	0.01	30%	16V
C246	1-161-494-00	s	CERAMIC	0.022	30%	25V
C247	1-161-379-00	s	CERAMIC	0.01	30%	16V
C249	1-101-890-00	s	CERAMIC	75PF	5%	50V
C250	1-161-494-00	s	CERAMIC	0.022	30%	25V
C251	1-161-379-00	s	CERAMIC	0.01	30%	16V
C253	1-161-379-00	s	CERAMIC	0.01	30%	16V
C256	1-161-494-00	s	CERAMIC	0.022	30%	25V
C257	1-161-494-00	s	CERAMIC	0.022	30%	25V
C260	1-161-379-00	s	CERAMIC	0.01	30%	16V
C261	1-131-355-00	s	TANTALUM	2.2	10%	25V
C262	1-161-379-00	s	CERAMIC	0.01	30%	16V
C264	1-131-355-00	s	TANTALUM	2.2	10%	25V
C267	1-109-546-00	s	MICA	300PF	5%	50V
C268	1-109-548-00	s	MICA	360PF	5%	50V
C269	1-124-462-00	s	ELECT	10	20%	10V
C270	1-161-379-00	s	CERAMIC	0.01	30%	16V
C275	1-123-617-00	s	ELECT	10	20%	16V
C278	1-123-617-00	s	ELECT	10	20%	16V
C280	1-161-379-00	s	CERAMIC	0.01	30%	16V
C282	1-161-379-00	s	CERAMIC	0.01	30%	16V

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Ref No.	Parts No.	SP	Description
C283	1-161-379-00	s	CERAMIC 0.01 30% 16V
C285	1-161-494-00	s	CERAMIC 0.022 30% 25V
C287	1-131-345-00	s	TANTALUM 0.47 10% 35V
C290	1-161-379-00	s	CERAMIC 0.01 30% 16V
C291	1-123-617-00	s	ELECT 10 20% 16V
C292	1-123-617-00	s	ELECT 10 20% 16V
C298	1-161-494-00	s	CERAMIC 0.022 30% 25V
C299	1-161-494-00	s	CERAMIC 0.022 30% 25V
C300	1-161-379-00	s	CERAMIC 0.01 30% 16V
C302	1-161-379-00	s	CERAMIC 0.01 30% 16V
C303	1-161-379-00	s	CERAMIC 0.01 30% 16V
C304	1-161-379-00	s	CERAMIC 0.01 30% 16V
C305	1-161-494-00	s	CERAMIC 0.022 30% 25V
C307	1-124-462-00	s	ELECT 10 20% 10V
C308	1-124-462-00	s	ELECT 10 20% 10V
C309	1-124-462-00	s	ELECT 10 20% 10V
C321	1-161-494-00	s	CERAMIC 0.022 30% 25V
C322	1-161-494-00	s	CERAMIC 0.022 30% 25V
C325	1-161-494-00	s	CERAMIC 0.022 30% 25V
C329	1-161-494-00	s	CERAMIC 0.022 30% 25V
C334	1-162-728-11	s	CERAMIC 560PF 1% 50V
C335	1-161-494-00	s	CERAMIC 0.022 30% 25V
C337	1-124-638-11	s	ELECT 22 20% 10V
C338	1-123-617-00	s	ELECT 10 20% 16V
C339	1-123-617-00	s	ELECT 10 20% 16V
C340	1-161-494-00	s	CERAMIC 0.022 30% 25V
C341	1-124-245-00	s	ELECT 4.7 20% 25V
C342	1-124-445-00	s	ELECT 100 20% 16V
C344	1-161-494-00	s	CERAMIC 0.022 30% 25V
CV1	1-141-246-00	s	CAP, TRIMMER
D4	8-719-104-10	s	1SS99
D5	8-719-104-10	s	1SS99
D6	8-719-911-19	s	1SS119
D7	8-719-911-19	s	1SS119
D8	8-719-911-19	s	1SS119
D9	8-719-911-19	s	1SS119
D10	8-719-911-19	s	1SS119
D11	8-719-911-19	s	1SS119
D13	8-719-911-19	s	1SS119
D14	8-719-911-19	s	1SS119
D15	8-719-911-19	s	1SS119
D16	8-719-911-19	s	1SS119
D17	8-719-911-19	s	1SS119
D18	8-719-915-43	s	FC54M
D19	8-719-911-19	s	1SS119
D20	8-719-911-19	s	1SS119
D21	8-719-911-19	s	1SS119
D22	8-719-911-19	s	1SS119
D23	8-719-911-19	s	1SS119
D25	8-719-911-19	s	1SS119
D26	8-719-100-23	s	RD4.3E-B2
8) D27	8-719-911-19	s	1SS119

Ref No.	Parts No.	SP	Description
DL1	1-415-348-00	s	57ns
DL2	1-415-348-00	s	57ns
DL3	1-415-348-00	s	57ns
DL4	1-415-551-11	s	350ns
DL5	1-415-545-11	s	450ns
DL201	1-415-452-21	s	810ns
DL401	1-415-402-11	s	300ns
FL1	1-235-757-11	s	LOW PASS
FL2	1-235-757-11	s	LOW PASS
FL3	1-235-757-11	s	LOW PASS
FL4	1-235-617-11	s	LOW PASS
FL5	1-527-307-XX	s	CERAMIC
FL6	1-527-307-XX	s	CERAMIC
FL201	1-236-030-11	s	LOW PASS
FL202	1-235-615-21	s	LPF (REC-Y, SP-2)
FL203	1-231-580-21	s	HIGH PASS
FL204	1-235-613-11	s	HIGH PASS
FL401	1-235-616-21	s	LPF (REC-C)
FL402	1-235-619-11	s	BAND PASS
29)IC1	8-759-240-53	s	TC4053BP(TOSHIBA)
30)IC1	8-759-040-53	s	MC14053BCP(MOTOROLA)
IC2	8-759-400-06	s	AN608P(MATSUSHITA)
IC3	8-752-320-32	s	CXL5001P(SONY)
IC4	8-759-402-33	s	AN607P(MATSUSHITA)
IC5	8-752-320-32	s	CXL5001P(SONY)
IC6	8-759-400-06	s	AN608P(MATSUSHITA)
IC7	8-752-201-30	s	CX22013(SONY)
IC8	8-752-030-30	s	CXA1020P(SONY)
IC9	8-759-969-13	s	SN16913P(TI)
27)IC10	8-759-602-80	s	M5215L(MITSUBISHI)
28)IC10	8-759-632-99	s	M5215TL(MITSUBISHI)
IC11	8-752-201-30	s	CX22013(SONY)
IC12	8-749-938-90	s	BX389(SONY)
27)IC13	8-759-602-80	s	M5215L(MITSUBISHI)
28)IC13	8-759-632-99	s	M5215TL(MITSUBISHI)
IC14	8-759-982-25	s	RC78L09A(RAYTHEON)
IC15	8-759-981-64	s	LM2903D(RAYTHEON)
IC16	8-759-981-91	s	RC4558D(RAYTHEON)
IC17	8-759-981-91	s	RC4558D(RAYTHEON)
IC201	8-752-006-00	s	CX20060(SONY)
IC202	8-752-006-00	s	CX20060(SONY)
IC203	8-759-200-60	s	TA7060AP(TOSHIBA)
IC204	8-751-310-00	s	CX-131A(SONY)
IC205	8-741-125-70	s	BX1257(SONY)
IC206	8-741-124-60	s	BX1246(SONY)
IC207	8-752-006-00	s	CX20060(SONY)
IC401	8-751-880-00	s	CX-188(SONY)
IC402	8-759-908-59	s	CX-859(SONY)
IC404	8-752-006-00	s	CX20060(SONY)
IC405	8-741-124-70	s	BX1247(SONY)
IC406	8-752-006-00	s	CX20060(SONY)
L1	1-410-482-31	s	MICRO 100
L2	1-410-482-31	s	MICRO 100
L5	1-410-482-31	s	MICRO 100
L6	1-410-482-31	s	MICRO 100
L7	1-410-482-31	s	MICRO 100

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Ref No.	Parts No.	SP	Description
L8	1-410-471-11	s	MICRO 12
L9	1-410-482-31	s	MICRO 100
L10	1-410-471-11	s	MICRO 12
L11	1-410-470-11	s	MICRO 10
L12	1-410-482-31	s	MICRO 100
L13	1-410-476-11	s	MICRO 33
L14	1-410-482-31	s	MICRO 100
L15	1-410-482-31	s	MICRO 100
L17	1-410-464-11	s	MICRO 3.3
L18	1-410-464-11	s	MICRO 3.3
L19	1-410-482-31	s	MICRO 100
L20	1-410-482-31	s	MICRO 100
L21	1-410-482-31	s	MICRO 100
L23	1-410-470-11	s	MICRO 10
L25	1-410-482-31	s	MICRO 100
L27	1-410-483-21	s	MICRO 120
L28	1-407-504-00	s	MICRO 10mH
L31	1-410-482-31	s	MICRO 100
L32	1-410-482-31	s	MICRO 100
L33	1-410-482-31	s	MICRO 100
L34	1-410-482-31	s	MICRO 100
L35	1-410-482-31	s	MICRO 100
L39	1-410-483-21	s	MICRO 120
L41	1-410-482-31	s	MICRO 100
L42	1-410-482-31	s	MICRO 100
L44	1-410-482-31	s	MICRO 100
L45	1-410-482-31	s	MICRO 100
L47	1-410-482-31	s	MICRO 100
L48	1-410-482-31	s	MICRO 100
L49	1-410-478-11	s	MICRO 47
L50	1-410-482-31	s	MICRO 100
L51	1-410-071-11	s	MICRO 10mH
L53	1-410-482-31	s	MICRO 100
L54	1-410-482-31	s	MICRO 100
L55	1-410-478-11	s	MICRO 47
L56	1-410-482-31	s	MICRO 100
L57	1-410-482-31	s	MICRO 100
L58	1-410-482-31	s	MICRO 100
L60	1-410-470-11	s	MICRO 10
L61	1-410-482-31	s	MICRO 100
L62	1-410-482-31	s	MICRO 100
L63	1-410-482-31	s	MICRO 100
L64	1-410-482-31	s	MICRO 100
L65	1-410-482-31	s	MICRO 100
L66	1-410-482-31	s	MICRO 100
L69	1-410-473-11	s	MICRO 18
L71	1-410-482-31	s	MICRO 100
L72	1-410-482-31	s	MICRO 100
LV1	1-407-566-00	s	VAR 3.3
Q1	8-729-922-66	s	2SC2410SN
Q2	8-729-105-72	s	2SK523-L1
Q3	8-729-201-05	s	2SC2878-B
Q4	8-729-922-66	s	2SC2410SN
Q5	8-729-275-42	s	2SC2754-Y

Ref No.	Parts No.	SP	Description
Q6	8-729-275-42	s	2SC2754-Y
Q7	8-729-922-66	s	2SC2410SN
Q8	8-729-922-66	s	2SC2410SN
Q9	8-729-922-66	s	2SC2410SN
Q10	8-729-922-66	s	2SC2410SN
Q11	8-729-922-66	s	2SC2410SN
Q12	8-729-922-66	s	2SC2410SN
Q13	8-729-611-53	s	2SA1115-F
Q14	8-729-922-66	s	2SC2410SN
Q15	8-729-611-53	s	2SA1115-F
Q16	8-729-922-66	s	2SC2410SN
Q19	8-729-922-66	s	2SC2410SN
Q20	8-729-611-53	s	2SA1115-F
Q21	8-729-922-66	s	2SC2410SN
Q22	8-729-611-53	s	2SA1115-F
Q23	8-729-922-66	s	2SC2410SN
Q24	8-729-922-66	s	2SC2410SN
Q25	8-729-922-66	s	2SC2410SN
Q27	8-729-922-66	s	2SC2410SN
Q30	8-729-611-53	s	2SA1115-F
Q31	8-729-922-66	s	2SC2410SN
Q32	8-729-201-05	s	2SC2878-B
Q33	8-729-922-66	s	2SC2410SN
Q34	8-729-922-66	s	2SC2410SN
Q35	8-729-922-66	s	2SC2410SN
Q36	8-729-611-53	s	2SA1115-F
Q37	8-729-611-53	s	2SA1115-F
Q38	8-729-922-66	s	2SC2410SN
Q39	8-729-922-66	s	2SC2410SN
Q40	8-729-922-66	s	2SC2410SN
Q41	8-729-922-66	s	2SC2410SN
Q42	8-729-922-66	s	2SC2410SN
Q43	8-729-922-66	s	2SC2410SN
Q45	8-729-922-66	s	2SC2410SN
Q46	8-729-922-66	s	2SC2410SN
Q47	8-729-922-66	s	2SC2410SN
Q48	8-729-922-66	s	2SC2410SN
Q49	8-729-922-66	s	2SC2410SN
Q50	8-729-922-66	s	2SC2410SN
Q51	8-729-922-66	s	2SC2410SN
Q52	8-729-922-66	s	2SC2410SN
Q53	8-729-922-66	s	2SC2410SN
Q54	8-729-922-66	s	2SC2410SN
Q55	8-729-201-05	s	2SC2878-B
Q56	8-729-922-66	s	2SC2410SN
Q57	8-729-201-05	s	2SC2878-B
Q58	8-729-201-05	s	2SC2878-B
Q60	8-729-922-66	s	2SC2410SN
Q61	8-729-922-66	s	2SC2410SN
Q62	8-729-922-66	s	2SC2410SN
Q63	8-729-922-66	s	2SC2410SN
Q64	8-729-922-66	s	2SC2410SN
Q65	8-729-922-66	s	2SC2410SN
Q69	8-729-900-89	s	DTC144ES
Q70	8-729-900-89	s	DTC144ES
Q71	8-729-113-34	s	2SB733-5
Q72	8-729-901-41	s	2SC1740S-R
Q75	8-729-901-41	s	2SC1740S-R
Q76	8-729-922-66	s	2SC2410SN
Q77	8-729-201-05	s	2SC2878-B

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Ref No.	Parts No.	SP	Description
Q78	8-729-901-41	s	2SC1740S-R
Q79	8-729-611-53	s	2SA1115-F
Q80	8-729-922-66	s	2SC2410SN
Q82	8-729-922-66	s	2SC2410SN
Q83	8-729-922-66	s	2SC2410SN
Q84	8-729-611-53	s	2SA1115-F
Q85	8-729-922-66	s	2SC2410SN
Q86	8-729-922-66	s	2SC2410SN
Q87	8-729-922-66	s	2SC2410SN
Q88	8-729-922-66	s	2SC2410SN
Q89	8-729-922-66	s	2SC2410SN
Q93	8-729-611-53	s	2SA1115-F
Q94	8-729-611-53	s	2SA1115-F
Q95	8-729-603-50	s	2SC403SP
Q96	8-729-922-66	s	2SC2410SN
Q97	8-729-922-66	s	2SC2410SN
Q98	8-729-922-66	s	2SC2410SN
Q99	8-729-611-53	s	2SA1115-F
Q100	8-729-922-66	s	2SC2410SN
Q104	8-729-922-66	s	2SC2410SN
Q105	8-729-922-66	s	2SC2410SN
Q106	8-729-201-05	s	2SC2878-B
Q107	8-729-922-66	s	2SC2410SN
Q108	8-729-611-53	s	2SA1115-F
Q109	8-729-611-53	s	2SA1115-F
Q110	8-729-922-66	s	2SC2410SN
Q111	8-729-611-53	s	2SA1115-F
Q112	8-729-922-66	s	2SC2410SN
Q113	8-729-922-66	s	2SC2410SN
Q114	8-729-922-66	s	2SC2410SN
Q115	8-729-201-05	s	2SC2878-B
Q116	8-729-201-05	s	2SC2878-B
Q117	8-729-201-05	s	2SC2878-B
Q118	8-729-201-05	s	2SC2878-B
Q119	8-729-922-66	s	2SC2410SN
Q120	8-729-611-53	s	2SA1115-F
Q121	8-729-922-66	s	2SC2410SN
Q122	8-729-922-66	s	2SC2410SN
Q125	8-729-922-66	s	2SC2410SN
R208	1-247-826-00	s	CARBON 620 5% 1/6W
R227	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R241	1-249-404-00	s	CARBON 82 5% 1/6W
R296	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R298	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R307	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R318	1-247-887-00	s	CARBON 220k 5% 1/6W
R395	1-247-849-00	s	CARBON 5.6k 5% 1/6W
RV1	1-228-995-00	s	VAR, CARBON 22k
RV2	1-228-991-00	s	VAR, CARBON 2.2k
RV3	1-228-993-00	s	VAR, CARBON 4.7k
RV4	1-228-995-00	s	VAR, CARBON 22k
RV5	1-228-991-00	s	VAR, CARBON 2.2k
RV6	1-228-991-00	s	VAR, CARBON 2.2k
RV7	1-228-995-00	s	VAR, CARBON 22k
RV8	1-228-991-00	s	VAR, CARBON 2.2k
RV9	1-228-991-00	s	VAR, CARBON 2.2k
RV10	1-230-504-11	s	VAR, CARBON 220
RV11	1-230-504-11	s	VAR, CARBON 220
RV12	1-228-991-00	s	VAR, CARBON 2.2k
RV13	1-228-991-00	s	VAR, CARBON 2.2k
RV14	1-228-991-00	s	VAR, CARBON 2.2k
RV15	1-228-991-00	s	VAR, CARBON 2.2k
RV16	1-228-993-00	s	VAR, CARBON 4.7k
RV17	1-230-682-11	s	VAR, CARBON 1M
RV18	1-228-990-00	s	VAR, CARBON 1k
RV19	1-228-993-00	s	VAR, CARBON 4.7k
RV20	1-228-994-00	s	VAR, CARBON 10k
RV21	1-228-996-00	s	VAR, CARBON 47k
RV22	1-228-990-00	s	VAR, CARBON 1k
RV23	1-228-991-00	s	VAR, CARBON 2.2k
RV24	1-228-996-00	s	VAR, CARBON 47k
RV25	1-228-991-00	s	VAR, CARBON 2.2k
RV27	1-228-999-00	s	VAR, CARBON 470k
RV29	1-228-998-00	s	VAR, CARBON 220k
RV30	1-228-994-00	s	VAR, CARBON 10k
RV202	1-228-993-00	s	VAR, CARBON 4.7k
RV301	1-228-990-00	s	VAR, CARBON 1k
RV303	1-228-993-00	s	VAR, CARBON 4.7k
RV304	1-228-993-00	s	VAR, CARBON 4.7k
RV305	1-228-993-00	s	VAR, CARBON 4.7k
T1	1-425-785-21	s	BURST AMP(BAT)
TH1	1-800-200-00	s	THERMISTOR S-3K
TH3	1-800-200-00	s	THERMISTOR S-3K
TH4	1-800-200-00	s	THERMISTOR S-3K
TH5	1-800-200-00	s	THERMISTOR S-3K
X1	1-527-536-00	s	OSCILLATOR, CRYSTAL 3.579545MHz

MT-28 BOARD

	1-622-729-11	o	PRINTED CIRCUIT BOARD, MT-28
CN335	1-560-035-00	s	PIN, BOARD TO BOARD 5P (MT-28 to VR-48)
CN336	1-560-035-00	s	PIN, BOARD TO BOARD 5P (MT-28 to VR-48)
D1	8-719-800-89	s	TLY255
D2	8-719-800-86	s	TLG255
D3	8-719-800-89	s	TLY255
D4	8-719-800-89	s	TLY255
D5	8-719-800-89	s	TLY255
D6	8-719-800-89	s	TLY255
R1	1-247-706-11	s	CARBON 330 5% 1/4W
R2	1-247-706-11	s	CARBON 330 5% 1/4W
R3	1-247-706-11	s	CARBON 330 5% 1/4W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

PD-37 BOARD

Ref No.	Parts No.	SP	Description
	A-6717-458-A	o	MOUNTED CIRCUIT BOARD, PD-37
C2	1-161-379-00	s	CERAMIC 0.01 30% 16V
C3	1-161-379-00	s	CERAMIC 0.01 30% 16V
C4	1-124-259-00	s	ELECT 4.7 20% 50V
C5	1-124-259-00	s	ELECT 4.7 20% 50V
C6	1-124-259-00	s	ELECT 4.7 20% 50V
D1	8-719-200-02	s	10E-2
D2	8-719-911-19	s	1SS119
D3	8-719-911-19	s	1SS119
D4	8-719-200-02	s	10E-2
D5	8-719-200-02	s	10E-2
D6	8-719-200-02	s	10E-2
D7	8-719-200-02	s	10E-2
D8	8-719-200-02	s	10E-2
D9	8-719-200-02	s	10E-2
D10	8-719-200-02	s	10E-2
D11	8-719-200-02	s	10E-2
D12	8-719-200-02	s	10E-2
D13	8-719-200-02	s	10E-2
D14	8-719-200-02	s	10E-2
IC1	8-759-600-24	s	M54543L(MITSUBISHI)
⚠PS1	1-532-686-00	s	LINK
PS2	1-532-685-00	s	LINK
PS3	1-532-685-00	s	LINK
PS4	1-532-685-00	s	LINK
Q1	8-729-811-11	s	2SD1111
Q2	8-729-178-55	s	2SC2785-E
Q3	8-729-178-55	s	2SC2785-E
Q4	8-729-199-82	s	2SD998
Q5	8-729-811-11	s	2SD1111
Q6	8-729-178-55	s	2SC2785-E
Q7	8-729-889-40	s	2SD894
Q8	8-729-811-11	s	2SD1111
Q9	8-729-178-55	s	2SC2785-E
Q10	8-729-889-40	s	2SD894

PH-5(A) BOARD

Ref No.	Parts No.	SP	Description
	1-603-737-00	o	PRINTED CIRCUIT BOARD, PH-5(A)
D1	8-719-951-04	s	BR5104S

PH-5(B) BOARD

Ref No.	Parts No.	SP	Description
	1-603-737-00	o	PRINTED CIRCUIT BOARD, PH-5(B)
Q1	8-729-810-21	s	SPS102-A

PH-5(C) BOARD

Ref No.	Parts No.	SP	Description
	1-603-737-00	o	PRINTED CIRCUIT BOARD, PH-5(C)
D1	8-719-951-04	s	BR5104S

PTC-26 BOARD

Ref No.	Parts No.	SP	Description
	1-622-721-11	o	PRINTED CIRCUIT BOARD, PTC-26
Q1	8-729-810-22	s	SPS102-A

PTC-28 BOARD

Ref No.	Parts No.	SP	Description
	1-622-722-11	o	PRINTED CIRCUIT BOARD, PTC-28
	1-806-232-11	s	MB-1102/S.N

PTC-29 BOARD

Ref No.	Parts No.	SP	Description
	1-622-718-11	o	PRINTED CIRCUIT BOARD, PTC-29
	1-806-232-21	s	DETECTOR MB-1102/S.N

PTC-30 BOARD

Ref No.	Parts No.	SP	Description
	1-622-260-11	o	PRINTED CIRCUIT BOARD, PTC-30
IC1	8-719-939-50	s	GP1L52(SHARP)
IC2	8-719-939-50	s	GP1L52(SHARP)
IC3	8-719-939-50	s	GP1L52(SHARP)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description

PTC-32 BOARD

Ref No.	Parts No.	SP	Description
	1-622-638-11	o	PRINTED CIRCUIT BOARD, PTC-32
C1	1-124-234-00	s	ELECT 22 20% 10V
IC1	8-719-939-50	s	GP1L52(SHARP)
IC2	8-719-939-50	s	GP1L52(SHARP)
IC3	8-719-940-86	s	GP1L53(SHARP)
IC4	8-719-939-50	s	GP1L52(SHARP)
IC5	8-759-133-90	s	UPC339C(NEC)

PTC-33 BOARD

Ref No.	Parts No.	SP	Description
	1-622-258-11	o	PRINTED CIRCUIT BOARD, PTC-33
IC1	8-719-940-86	s	GP1L53(SHARP)
IC2	8-719-940-86	s	GP1L53(SHARP)

PTC-34 BOARD

Ref No.	Parts No.	SP	Description
	1-622-259-11	o	PRINTED CIRCUIT BOARD, PTC-34
IC1	8-719-940-86	s	GP1L53(SHARP)

RP-30 BOARD

Ref No.	Parts No.	SP	Description
	A-6711-825-A	o	MOUNTED CIRCUIT BOARD, RP-30
C2	1-124-236-00	s	ELECT 47 20% 16V
C9	1-124-236-00	s	ELECT 47 20% 16V
C11	1-124-120-11	s	ELECT 220 20% 16V
C14	1-124-255-00	s	ELECT 1 20% 50V
C17	1-124-120-11	s	ELECT 220 20% 16V
C20	1-124-255-00	s	ELECT 1 20% 50V
C21	1-162-294-31	s	CERAMIC 0.001 10% 50V
C22	1-162-294-31	s	CERAMIC 0.001 10% 50V
C102	1-124-236-00	s	ELECT 47 20% 16V
C106	1-162-725-11	s	CERAMIC 430PF 1% 50V
C108	1-124-236-00	s	ELECT 47 20% 16V
C111	1-162-725-11	s	CERAMIC 430PF 1% 50V
D1	8-719-911-19	s	1SS119
D2	8-719-911-19	s	1SS119
D3	8-719-100-13	s	RD2.7E-B2
D4	8-719-911-19	s	1SS119
D101	8-719-911-19	s	1SS119
D102	8-719-911-19	s	1SS119
D103	8-719-911-19	s	1SS119
D104	8-719-911-19	s	1SS119
D105	8-719-911-19	s	1SS119
D106	8-719-911-19	s	1SS119
D107	8-719-911-19	s	1SS119
D108	8-719-911-19	s	1SS119
IC1	8-743-731-00	s	BX373A(SONY)
IC2	8-729-677-14	s	2SC2771(MITSUBISHI)
IC3	8-741-126-50	s	BX1265(SONY)
IC4	8-759-240-09	s	TC4009UBP(MOTOROLA)
IC5	8-729-677-14	s	2SC2771(MITSUBISHI)
IC6	8-741-126-50	s	BX1265(SONY)
L1	1-410-482-31	s	MICRO 100
L3	1-410-482-31	s	MICRO 100
L4	1-410-482-31	s	MICRO 100
L101	1-410-482-31	s	MICRO 100
⚠ PS2	1-532-727-11	s	LINK, IC
Q1	8-729-201-05	s	2SC2878-B
Q2	8-729-201-05	s	2SC2878-B
Q3	8-729-922-66	s	2SC2410SN
Q4	8-729-922-66	s	2SC2410SN
Q5	8-729-922-66	s	2SC2410SN
Q6	8-729-922-66	s	2SC2410SN
Q101	8-729-922-66	s	2SC2410SN
Q102	8-729-922-66	s	2SC2410SN
Q103	8-729-922-66	s	2SC2410SN
Q104	8-729-177-32	s	2SD773
Q105	8-729-113-34	s	2SB733-5
Q106	8-729-922-66	s	2SC2410SN
Q107	8-729-922-66	s	2SC2410SN
Q108	8-729-177-32	s	2SD773
Q109	8-729-113-34	s	2SB733-5
R1	1-249-404-00	s	CARBON 82 5% 1/6W
R2	1-249-404-00	s	CARBON 82 5% 1/6W
RV1	1-228-990-00	s	VAR, CARBON 1k
RV2	1-228-989-00	s	VAR, CARBON 470
RV3	1-228-993-00	s	VAR, CARBON 4.7k
RV4	1-228-991-00	s	VAR, CARBON 2.2k
RV5	1-228-993-00	s	VAR, CARBON 4.7k
RV6	1-228-991-00	s	VAR, CARBON 2.2k
RV101	1-228-990-00	s	VAR, CARBON 1k
RV102	1-228-990-00	s	VAR, CARBON 1k
T1	1-426-017-00	s	AF
T2	1-427-472-00	s	OUTPUT
T3	1-426-319-11	s	PB RF
T4	1-427-472-00	s	OUTPUT
T5	1-426-319-11	s	PB RF

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

RM-44 BOARD

Ref No.	Parts No.	SP	Description
	1-622-739-11	o	PRINTED CIRCUIT BOARD, RM-44
C1	1-161-379-00	s	CERAMIC 0.01 30% 16V
CN1	1-566-658-11		24P "REMOTE 2"
CN2	1-563-890-11	s	SOCKET, D-SUB CONNECTOR 9P
IC1	8-759-201-34	s	TD62503P(TOSHIBA)

RM-45 BOARD

Ref No.	Parts No.	SP	Description
	1-622-740-11	o	PRINTED CIRCUIT BOARD, RM-45

SE-48 BOARD

Ref No.	Parts No.	SP	Description
	A-6729-496-A	o	MOUNTED CIRCUIT BOARD, SE-48
C2	1-162-294-31	s	CERAMIC 0.001 10% 50V
C3	1-162-207-31	s	CERAMIC 22PF 5% 50V
C5	1-162-294-31	s	CERAMIC 0.001 10% 50V
C6	1-162-207-31	s	CERAMIC 22PF 5% 50V
C8	1-162-294-31	s	CERAMIC 0.001 10% 50V
C9	1-162-207-31	s	CERAMIC 22PF 5% 50V
C11	1-162-294-31	s	CERAMIC 0.001 10% 50V
C12	1-162-207-31	s	CERAMIC 22PF 5% 50V
C14	1-161-379-00	s	CERAMIC 0.01 30% 16V
IC1	8-759-132-40	s	UPC324C(NEC)
41)IC2	8-745-211-00	s	DM-211
42)IC2	8-745-001-02	s	DM-211A-L
41)IC3	8-745-211-00	s	DM-211
42)IC3	8-745-001-02	s	DM-211A-L
R4	1-247-895-00	s	CARBON 470k 5% 1/6W
R8	1-247-895-00	s	CARBON 470k 5% 1/6W
R12	1-247-895-00	s	CARBON 470k 5% 1/6W
R16	1-247-895-00	s	CARBON 470k 5% 1/6W
RV1	1-228-993-00	s	VAR, CARBON 4.7K
RV2	1-228-993-00	s	VAR, CARBON 4.7K
RV3	1-228-993-00	s	VAR, CARBON 4.7K
RV4	1-228-993-00	s	VAR, CARBON 4.7k

S/N UP TO 11375 (J)
S/N UP TO 15640 (UC)

SV-88 BOARD

Ref No.	Parts No.	SP	Description
	A-6715-369-A	o	MOUNTED CIRCUIT BOARD, SV-88
C104	1-162-290-31	s	CERAMIC 470PF 10% 50V
C105	1-123-622-00	s	ELECT 22 20% 16V
C106	1-123-622-00	s	ELECT 22 20% 16V
C108	1-123-622-00	s	ELECT 22 20% 16V
C109	1-124-465-00	s	ELECT 0.47 20% 50V
C111	1-162-286-31	s	CERAMIC 220PF 10% 50V
C116	1-162-288-31	s	CERAMIC 330PF 10% 50V
C117	1-162-286-31	s	CERAMIC 220PF 10% 50V
C121	1-162-288-31	s	CERAMIC 330PF 10% 50V
C132	1-162-282-31	s	CERAMIC 100PF 10% 50V
6) C139	1-162-294-31	s	CERAMIC 0.001 10% 50V
6) C140	1-162-294-31	s	CERAMIC 0.001 10% 50V
C201	1-123-617-00	s	ELECT 10 20% 16V
C202	1-123-622-00	s	ELECT 22 20% 16V
C210	1-162-290-31	s	CERAMIC 470PF 10% 50V
C213	1-162-282-31	s	CERAMIC 100PF 10% 50V
C215	1-162-290-31	s	CERAMIC 470PF 10% 50V
C219	1-161-494-00	s	CERAMIC 0.022 30% 25V
C401	1-123-611-00	s	ELECT 1 20% 50V
C402	1-123-611-00	s	ELECT 1 20% 50V
C403	1-123-617-00	s	ELECT 10 20% 16V
C404	1-123-617-00	s	ELECT 10 20% 16V
C405	1-161-494-00	s	CERAMIC 0.022 30% 25V
C406	1-162-294-31	s	CERAMIC 0.001 10% 50V
C407	1-162-294-31	s	CERAMIC 0.001 10% 50V
C408	1-162-294-31	s	CERAMIC 0.001 10% 50V
C409	1-162-294-31	s	CERAMIC 0.001 10% 50V
C410	1-161-494-00	s	CERAMIC 0.022 30% 25V
C412	1-123-622-00	s	ELECT 22 20% 16V
C415	1-123-622-00	s	ELECT 22 20% 16V
C418	1-123-617-00	s	ELECT 10 20% 16V
C419	1-123-617-00	s	ELECT 10 20% 16V
C430	1-161-377-00	s	CERAMIC 0.0047 30% 16V
C431	1-161-377-00	s	CERAMIC 0.0047 30% 16V
C432	1-161-377-00	s	CERAMIC 0.0047 30% 16V
C433	1-161-494-00	s	CERAMIC 0.022 30% 25V
C504	1-123-617-00	s	ELECT 10 20% 16V
C507	1-123-617-00	s	ELECT 10 20% 16V
C508	1-130-736-11	s	FILM 0.01 1% 100V
C510	1-162-282-31	s	CERAMIC 100PF 10% 50V
C515	1-162-282-31	s	CERAMIC 100PF 10% 50V
C519	1-123-611-00	s	ELECT 1 20% 50V
C520	1-123-617-00	s	ELECT 10 20% 16V
C521	1-162-213-31	s	CERAMIC 39PF 5% 50V
C523	1-162-290-31	s	CERAMIC 470PF 10% 50V
C525	1-123-611-00	s	ELECT 1 20% 50V
C526	1-123-617-00	s	ELECT 10 20% 16V
C527	1-162-213-31	s	CERAMIC 39PF 5% 50V
C529	1-162-290-31	s	CERAMIC 470PF 10% 50V
C531	1-123-611-00	s	ELECT 1 20% 50V
C532	1-123-617-00	s	ELECT 10 20% 16V
C533	1-162-213-31	s	CERAMIC 39PF 5% 50V
C535	1-162-290-31	s	CERAMIC 470PF 10% 50V
C539	1-123-611-00	s	ELECT 1 20% 50V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
C540	1-124-438-00	s	ELECT 1 20% 50V
C541	1-162-282-31	s	CERAMIC 100PF 10% 50V
1) C543	1-123-617-00	s	ELECT 10 20% 16V
2) C543	1-131-365-00	s	TANTALUM 10 10% 16V
1) C544	1-123-617-00	s	ELECT 10 20% 16V
2) C544	1-131-365-00	s	TANTALUM 10 10% 16V
C545	1-130-728-00	s	FILM 0.0022 5% 50V
5) C550	1-161-494-00	s	CERAMIC 0.022 30% 25V
6) C551	1-161-494-00	s	CERAMIC 0.022 30% 25V
C601	1-162-282-31	s	CERAMIC 100PF 10% 50V
C602	1-162-282-31	s	CERAMIC 100PF 10% 50V
C603	1-162-282-31	s	CERAMIC 100PF 10% 50V
C604	1-162-282-31	s	CERAMIC 100PF 10% 50V
C606	1-162-282-31	s	CERAMIC 100PF 10% 50V
C608	1-162-282-31	s	CERAMIC 100PF 10% 50V
C618	1-124-465-00	s	ELECT 0.47 20% 50V
C621	1-124-465-00	s	ELECT 0.47 20% 50V
C622	1-102-106-00	s	CERAMIC 100PF 10% 50V
C623	1-102-106-00	s	CERAMIC 100PF 10% 50V
C624	1-102-106-00	s	CERAMIC 100PF 10% 50V
C750	1-126-103-11	s	ELECT 470 20% 16V
C751	1-161-494-00	s	CERAMIC 0.022 30% 25V
C752	1-161-494-00	s	CERAMIC 0.022 30% 25V
C753	1-161-494-00	s	CERAMIC 0.022 30% 25V
C754	1-161-494-00	s	CERAMIC 0.022 30% 25V
C755	1-161-494-00	s	CERAMIC 0.022 30% 25V
C756	1-161-494-00	s	CERAMIC 0.022 30% 25V
C757	1-161-494-00	s	CERAMIC 0.022 30% 25V
C758	1-161-494-00	s	CERAMIC 0.022 30% 25V
C759	1-161-494-00	s	CERAMIC 0.022 30% 25V
C760	1-161-494-00	s	CERAMIC 0.022 30% 25V
C761	1-161-494-00	s	CERAMIC 0.022 30% 25V
C762	1-161-494-00	s	CERAMIC 0.022 30% 25V
C763	1-161-494-00	s	CERAMIC 0.022 30% 25V
C764	1-161-494-00	s	CERAMIC 0.022 30% 25V
C765	1-161-494-00	s	CERAMIC 0.022 30% 25V
C766	1-161-494-00	s	CERAMIC 0.022 30% 25V
C767	1-161-494-00	s	CERAMIC 0.022 30% 25V
C801	1-161-494-00	s	CERAMIC 0.022 30% 25V
C802	1-161-494-00	s	CERAMIC 0.022 30% 25V
C803	1-161-494-00	s	CERAMIC 0.022 30% 25V
C804	1-161-494-00	s	CERAMIC 0.022 30% 25V
C805	1-161-494-00	s	CERAMIC 0.022 30% 25V
C806	1-161-494-00	s	CERAMIC 0.022 30% 25V
C807	1-161-494-00	s	CERAMIC 0.022 30% 25V
C808	1-161-494-00	s	CERAMIC 0.022 30% 25V
C809	1-161-494-00	s	CERAMIC 0.022 30% 25V
C810	1-161-494-00	s	CERAMIC 0.022 30% 25V
C811	1-161-494-00	s	CERAMIC 0.022 30% 25V
C812	1-161-494-00	s	CERAMIC 0.022 30% 25V
C813	1-161-494-00	s	CERAMIC 0.022 30% 25V
C814	1-161-494-00	s	CERAMIC 0.022 30% 25V
C815	1-161-494-00	s	CERAMIC 0.022 30% 25V
C816	1-161-494-00	s	CERAMIC 0.022 30% 25V
C817	1-161-494-00	s	CERAMIC 0.022 30% 25V
C818	1-161-494-00	s	CERAMIC 0.022 30% 25V
C819	1-161-494-00	s	CERAMIC 0.022 30% 25V
C820	1-161-494-00	s	CERAMIC 0.022 30% 25V
C821	1-161-494-00	s	CERAMIC 0.022 30% 25V
C822	1-161-494-00	s	CERAMIC 0.022 30% 25V
C823	1-161-494-00	s	CERAMIC 0.022 30% 25V
C824	1-161-494-00	s	CERAMIC 0.022 30% 25V
C825	1-161-494-00	s	CERAMIC 0.022 30% 25V
C826	1-161-494-00	s	CERAMIC 0.022 30% 25V
C827	1-161-494-00	s	CERAMIC 0.022 30% 25V
C828	1-161-494-00	s	CERAMIC 0.022 30% 25V
C829	1-161-494-00	s	CERAMIC 0.022 30% 25V
C830	1-161-494-00	s	CERAMIC 0.022 30% 25V
C831	1-161-494-00	s	CERAMIC 0.022 30% 25V
C832	1-161-494-00	s	CERAMIC 0.022 30% 25V
C833	1-161-494-00	s	CERAMIC 0.022 30% 25V
C834	1-161-494-00	s	CERAMIC 0.022 30% 25V
C835	1-161-494-00	s	CERAMIC 0.022 30% 25V
C836	1-161-494-00	s	CERAMIC 0.022 30% 25V
C837	1-161-494-00	s	CERAMIC 0.022 30% 25V
C838	1-161-494-00	s	CERAMIC 0.022 30% 25V
C839	1-161-494-00	s	CERAMIC 0.022 30% 25V
C840	1-161-494-00	s	CERAMIC 0.022 30% 25V
C841	1-161-494-00	s	CERAMIC 0.022 30% 25V
C901	1-161-494-00	s	CERAMIC 0.022 30% 25V
C902	1-161-494-00	s	CERAMIC 0.022 30% 25V
C903	1-161-494-00	s	CERAMIC 0.022 30% 25V
C904	1-161-494-00	s	CERAMIC 0.022 30% 25V
C905	1-161-494-00	s	CERAMIC 0.022 30% 25V
C906	1-161-494-00	s	CERAMIC 0.022 30% 25V
C907	1-161-494-00	s	CERAMIC 0.022 30% 25V
C908	1-161-494-00	s	CERAMIC 0.022 30% 25V
C909	1-161-494-00	s	CERAMIC 0.022 30% 25V
C910	1-161-494-00	s	CERAMIC 0.022 30% 25V
C911	1-161-494-00	s	CERAMIC 0.022 30% 25V
C912	1-161-494-00	s	CERAMIC 0.022 30% 25V
C950	1-126-103-11	s	ELECT 470 20% 16V
C951	1-161-494-00	s	CERAMIC 0.022 30% 25V
C952	1-161-494-00	s	CERAMIC 0.022 30% 25V
C953	1-161-494-00	s	CERAMIC 0.022 30% 25V
CN1	1-506-747-21	o	PIN, DIN (DIP) 64P
CN2	1-506-747-21	o	PIN, DIN (DIP) 64P
D101	8-719-911-19	s	1SS119
D102	8-719-911-19	s	1SS119
D103	8-719-911-19	s	1SS119
D104	8-719-911-19	s	1SS119
D105	8-719-911-19	s	1SS119
D106	8-719-911-19	s	1SS119
D107	8-719-911-19	s	1SS119
D108	8-719-911-19	s	1SS119
D109	8-719-911-19	s	1SS119
D110	8-719-911-19	s	1SS119
D201	8-719-911-19	s	1SS119
D202	8-719-911-19	s	1SS119
D203	8-719-911-19	s	1SS119
D204	8-719-911-19	s	1SS119
D205	8-719-911-19	s	1SS119
D206	8-719-911-19	s	1SS119
D207	8-719-911-19	s	1SS119
D208	8-719-911-19	s	1SS119
D209	8-719-911-19	s	1SS119
D210	8-719-911-19	s	1SS119
D211	8-719-911-19	s	1SS119
D212	8-719-911-19	s	1SS119
D213	8-719-911-19	s	1SS119
D214	8-719-911-19	s	1SS119
D401	8-719-911-19	s	1SS119

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
D402	8-719-911-19	s	1SS119
D403	8-719-911-19	s	1SS119
D404	8-719-911-19	s	1SS119
D405	8-719-911-19	s	1SS119
D406	8-719-911-19	s	1SS119
D407	8-719-911-19	s	1SS119
D408	8-719-911-19	s	1SS119
D409	8-719-911-19	s	1SS119
D410	8-719-911-19	s	1SS119
D411	8-719-911-19	s	1SS119
D412	8-719-911-19	s	1SS119
D413	8-719-911-19	s	1SS119
D414	8-719-911-19	s	1SS119
D501	8-719-911-19	s	1SS119
D502	8-719-911-19	s	1SS119
D507	8-719-911-19	s	1SS119
D508	8-719-911-19	s	1SS119
D509	8-719-911-19	s	1SS119
D512	8-719-911-19	s	1SS119
D513	8-719-911-19	s	1SS119
D514	8-719-911-19	s	1SS119
D515	8-719-911-19	s	1SS119
D516	8-719-911-19	s	1SS119
D517	8-719-911-19	s	1SS119
D518	8-719-911-19	s	1SS119
D519	8-719-911-19	s	1SS119
D601	8-719-911-19	s	1SS119
D602	8-719-109-99	s	RD7.5ES-B
D603	8-719-911-19	s	1SS119
D604	8-719-911-19	s	1SS119
D701	8-719-911-19	s	1SS119
D702	8-719-911-19	s	1SS119
D704	8-719-911-19	s	1SS119
D705	8-719-911-19	s	1SS119
D706	8-719-911-19	s	1SS119
IC101	8-752-006-00	s	CX20060(SONY)
IC102	8-743-915-10	s	BX-3915A(SONY)
17)IC103	8-759-202-74	s	TC74HC04P(TOSHIBA)
18)IC103	8-759-916-14	s	SN74HC04N(TI)
IC104	8-759-345-38	s	HD14538BP(TOSHIBA)
IC105	8-759-240-53	s	TC4053BP(TOSHIBA)
IC106	8-759-345-38	s	HD14538BP(TOSHIBA)
IC107	8-759-205-76	s	TC504013BP(TOSHIBA)
IC108	8-759-981-64	s	LM2903D(RAYTHEON)
IC109	8-759-140-17	s	UPD4017BC(TOSHIBA)
IC110	8-759-345-38	s	HD14538BP(TOSHIBA)
IC111	8-759-981-64	s	LM2903D(RAYTHEON)
IC112	8-759-140-17	s	UPD4017BC(TOSHIBA)
IC113	8-759-345-38	s	HD14538BP(TOSHIBA)
IC114	8-759-241-61	s	TC40161BP(TOSHIBA)
IC115	8-759-240-71	s	TC4071BP(TOSHIBA)
IC116	8-759-345-38	s	HD14538BP(TOSHIBA)
17)IC117	8-759-202-14	s	TC74HC08P(TOSHIBA)
18)IC117	8-759-803-70	s	LC74HC08
IC118	8-759-205-76	s	TC504013BP(TOSHIBA)
IC119	8-759-345-38	s	HD14538BP(TOSHIBA)
IC120	8-759-938-68	s	CXD1095Q(SONY)
IC122	8-759-240-15	s	TC4015BP(TOSHIBA)
IC123	8-759-345-38	s	HD14538BP(TOSHIBA)
IC125	8-759-345-38	s	HD14538BP(TOSHIBA)
IC201	8-759-240-53	s	TC4053BP(TOSHIBA)
IC202	8-743-914-00	s	BX-3914(SONY)
IC203	8-759-981-90	s	RC4558D-D(RAYTHEON)
17)IC204	8-759-202-17	s	TC74HC14P(TOSHIBA)
18)IC204	8-759-916-20	s	SN74HC14N(TI)

Ref No.	Parts No.	SP	Description
IC205	8-759-240-53	s	TC4053BP(TOSHIBA)
IC206	8-759-345-38	s	HD14538BP(TOSHIBA)
IC207	8-759-240-01	s	TC4001BP(TOSHIBA)
IC208	8-759-240-23	s	TC4023BP(TOSHIBA)
IC209	8-759-240-53	s	TC4053BP(TOSHIBA)
17)IC210	8-759-202-74	s	TC74HC04P(TOSHIBA)
18)IC210	8-759-916-14	s	SN74HC04N(TI)
IC211	8-759-245-10	s	TC4510BP(TOSHIBA)
IC212	8-759-240-01	s	TC4001BP(TOSHIBA)
IC213	8-759-240-82	s	TC4082BP(TOSHIBA)
IC214	8-759-245-10	s	TC4510BP(TOSHIBA)
IC215	8-759-240-82	s	TC4082BP(TOSHIBA)
IC216	8-759-938-68	s	CXD1095Q(SONY)
18)IC217	8-759-803-70	s	LC74HC08
17)IC218	8-759-202-74	s	TC74HC04P(TOSHIBA)
18)IC218	8-759-916-14	s	SN74HC04N(TI)
IC219	8-759-970-31	s	MB88202H-567M
IC301	8-752-806-91	s	CXQ71054P(NEC)
IC302	8-752-806-91	s	CXQ71054P(NEC)
IC303	8-752-806-91	s	CXQ71054P(NEC)
IC304	8-752-806-91	s	CXQ71054P(NEC)
17)IC305	8-759-000-99	s	MC74HC74N(TOSHIBA)
18)IC305	8-759-916-29	s	SN74HC74N(TI)
IC306	8-759-240-24	s	TC4024BP(TOSHIBA)
17)IC307	8-759-202-74	s	TC74HC04P(TOSHIBA)
18)IC307	8-759-916-14	s	SN74HC04N(TI)
IC308	8-759-938-83	s	CF77074NT(TI)
IC309	8-759-938-83	s	CF77074NT(TI)
IC310	8-759-938-83	s	CF77074NT(TI)
IC311	8-759-240-30	s	TC4030BP(TOSHIBA)
IC401	8-759-132-40	s	UPC324C(NEC)
IC402	8-759-240-52	s	TC4052BP(TOSHIBA)
IC403	8-759-240-52	s	TC4052BP(TOSHIBA)
IC404	8-752-321-02	s	CXK5816PN-15L(SONY)
IC405	8-759-785-07	s	27128-U950NV105-25(FUJITSU)
17)IC406	8-759-203-35	s	TC74HC373P(TOSHIBA)
18)IC406	8-759-916-94	s	SN74HC373N(TI)
IC407	8-759-113-03	s	UPD78310CW(NEC)
IC408	8-759-917-43	s	SN74HC138N(TI)
IC409	8-759-917-43	s	SN74HC138N(TI)
IC410	8-759-202-89	s	TC74HC139P(TOSHIBA)
IC411	8-759-103-95	s	UPC648C(NEC)
IC412	8-759-990-82	s	TL082CP(TI)
IC413	8-759-203-12	s	TC74HC241P(TOSHIBA)
IC414	8-759-240-66	s	TC4066BP(TOSHIBA)
IC415	8-759-240-66	s	TC4066BP(TOSHIBA)
IC416	8-759-990-84	s	TL084CN (TI)
IC417	8-759-990-84	s	TL084CN (TI)
IC418	8-759-982-05	s	RC78L09A(RAYTHEON)
17)IC420	8-759-202-13	s	TC74HCU04P(TOSHIBA)
18)IC420	8-759-804-69	s	LC74HCU04M
IC422	8-759-203-68	s	TC74HC4040P(TOSHIBA)
IC423	8-759-345-38	s	HD14538BP(TOSHIBA)
IC501	8-759-981-64	s	LM2903D(RAYTHEON)
IC502	8-759-990-82	s	TL082CP(TI)
IC503	8-759-145-58	s	UPC4558C(NEC)
IC504	8-759-132-40	s	UPC324C(NEC)
IC505	8-759-240-53	s	TC4053BP(TOSHIBA)
IC506	8-759-981-64	s	LM2903D(RAYTHEON)
IC507	8-759-910-43	s	CX23028(SONY)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
IC509	8-759-345-38	s	HD14538BP(TOSHIBA)
IC510	8-759-981-64	s	LM2903D(RAYTHEON)
IC511	8-759-981-64	s	LM2903D(RAYTHEON)
IC512	8-759-345-38	s	HD14538BP(TOSHIBA)
IC513	8-759-902-21	s	SN74LS221N(TI)
IC514	8-759-990-82	s	TL082CP(TI)
IC515	8-759-990-82	s	TL082CP(TI)
IC516	8-759-938-68	s	CXD1095Q(SONY)
1) IC601	8-759-132-40	s	UPC324C(NEC)
2) IC601	8-759-990-84	s	TL084CN(TI)
IC602	8-759-132-40	s	UPC324C(NEC)
IC603	8-759-145-58	s	UPC4558C(NEC)
1) IC604	8-759-132-40	s	UPC324C(NEC)
2) IC604	8-759-990-84	s	TL084CN(TI)
IC605	8-759-132-40	s	UPC324C(NEC)
5) IC606	8-759-240-53	s	TC4053BP(TOSHIBA)
6) IC606	8-759-240-52	s	TC4052BP(TOSHIBA)
IC607	8-759-240-53	s	TC4053BP(TOSHIBA)
IC608	8-759-981-64	s	LM2903D(RAYTHEON)
IC609	8-759-981-64	s	LM2903D(RAYTHEON)
IC610	8-759-910-43	s	CX23028(SONY)
L201	1-459-155-00	s	(WITH CORE) 45
L701	1-459-155-00	s	(WITH CORE) 45
L702	1-459-155-00	s	(WITH CORE) 45
L703	1-459-155-00	s	(WITH CORE) 45
L704	1-459-155-00	s	(WITH CORE) 45
Q101	8-729-201-05	s	2SC2878-B
Q102	8-729-201-05	s	2SC2878-B
Q103	8-729-900-36	s	DTC124ES
Q104	8-729-900-36	s	DTC124ES
Q105	8-729-201-05	s	2SC2878-B
Q106	8-729-900-36	s	DTC124ES
Q201	8-729-900-36	s	DTC124ES
Q202	8-729-900-63	s	DTA124ES
Q203	8-729-178-54	s	2SC2785
Q204	8-729-900-36	s	DTC124ES
Q205	8-729-900-36	s	DTC124ES
Q206	8-729-900-36	s	DTC124ES
Q207	8-729-178-54	s	2SC2785
Q301	8-729-900-36	s	DTC124ES
Q401	8-729-178-54	s	2SC2785
Q402	8-729-178-54	s	2SC2785
Q403	8-729-178-54	s	2SC2785
Q404	8-729-178-54	s	2SC2785
Q405	8-729-117-54	s	2SA1175
Q406	8-729-178-54	s	2SC2785
Q407	8-729-900-63	s	DTA124ES
Q408	8-729-900-36	s	DTC124ES
Q409	8-729-900-36	s	DTC124ES
Q410	8-729-900-36	s	DTC124ES
Q411	8-729-178-54	s	2SC2785
Q412	8-729-900-63	s	DTA124ES
Q501	8-729-900-36	s	DTC124ES
Q502	8-729-201-05	s	2SC2878-B
Q503	8-729-201-05	s	2SC2878-B
Q504	8-729-201-05	s	2SC2878-B
Q505	8-729-201-05	s	2SC2878-B
Q506	8-729-900-36	s	DTC124ES
Q507	8-729-900-36	s	DTC124ES
Q508	8-729-201-05	s	2SC2878-B
Q509	8-729-201-05	s	2SC2878-B

Ref No.	Parts No.	SP	Description
Q510	8-729-900-36	s	DTC124ES
Q511	8-729-900-36	s	DTC124ES
5) Q601	8-729-900-36	s	DTC124ES
6) Q602	8-729-900-36	s	DTC124ES
Q603	8-729-900-63	s	DTA124ES
Q604	8-729-201-05	s	2SC2878-B
Q605	8-729-900-63	s	DTA124ES
Q606	8-729-201-05	s	2SC2878-B
Q607	8-729-201-05	s	2SC2878-B
Q608	8-729-201-05	s	2SC2878-B
Q609	8-729-201-05	s	2SC2878-B
Q610	8-729-178-54	s	2SC2785
Q611	8-729-178-54	s	2SC2785
Q612	8-729-178-54	s	2SC2785
Q613	8-729-900-36	s	DTC124ES
R118	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R128	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R172	1-247-887-00	s	CARBON 220k 5% 1/4W
R244	1-247-887-00	s	CARBON 220k 5% 1/4W
6) R441	1-247-885-00	s	CARBON 330k 5% 1/4W
R450	1-247-887-00	s	CARBON 220k 5% 1/4W
R451	1-247-887-00	s	CARBON 220k 5% 1/4W
R452	1-247-883-00	s	CARBON 150k 5% 1/6W
R505	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R516	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R530	1-247-895-00	s	CARBON 470k 5% 1/6W
R535	1-247-887-00	s	CARBON 220k 5% 1/6W
R541	1-247-891-00	s	CARBON 330k 5% 1/6W
R551	1-247-895-00	s	CARBON 470k 5% 1/6W
5) R557	1-247-895-00	s	CARBON 470k 5% 1/6W
R566	1-247-887-00	s	CARBON 220k 5% 1/6W
R574	1-247-887-00	s	CARBON 220k 5% 1/6W
R582	1-247-887-00	s	CARBON 220k 5% 1/6W
R584	1-247-881-00	s	CARBON 120k 5% 1/6W
R589	1-247-887-00	s	CARBON 220k 5% 1/6W
R601	1-247-747-11	s	CARBON 470 5% 1/2W
R602	1-247-747-11	s	CARBON 470 5% 1/2W
R610	1-247-883-00	s	CARBON 150k 5% 1/6W
5) R620	1-247-885-00	s	CARBON 180k 5% 1/6W
6) R620	1-247-887-00	s	CARBON 220k 5% 1/4W
2) R621	1-247-891-00	s	CARBON 330k 5% 1/4W
6) R621	1-247-895-00	s	CARBON 470k 5% 1/4W
R640	1-247-883-00	s	CARBON 150k 5% 1/4W
5) R650	1-247-883-00	s	CARBON 150k 5% 1/6W
6) R650	1-247-885-00	s	CARBON 330k 5% 1/4W
R651	1-247-889-00	s	CARBON 270k 5% 1/4W
R688	1-247-887-00	s	CARBON 220k 5% 1/6W
3) R740	1-532-685-00	s	LINK, IC
4) R740	1-532-675-00	s	LINK, IC
3) R741	1-532-685-00	s	LINK, IC
4) R741	1-532-675-00	s	LINK, IC
3) R742	1-532-685-00	s	LINK, IC
4) R742	1-532-675-00	s	LINK, IC
3) R743	1-532-685-00	s	LINK, IC
4) R743	1-532-675-00	s	LINK, IC
R800	1-247-895-00	s	CARBON 470k 5% 1/6W
R809	1-247-895-00	s	CARBON 470k 5% 1/6W
R810	1-247-895-00	s	CARBON 470k 5% 1/6W
5) R857	1-247-887-00	s	CARBON 220k 5% 1/6W
5) R858	1-247-883-00	s	CARBON 150k 5% 1/6W
12) R859	1-247-895-00	s	CARBON 470k 5% 1/4W
R860	1-247-895-00	s	CARBON 470k 5% 1/4W

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Ref No.	Parts No.	SP	Description
RB201	1-231-411-00	s	RESISTOR BLOCK 100K
RV101	1-228-996-00	s	VAR, CARBON 47K
RV102	1-228-996-00	s	VAR, CARBON 47K
RV103	1-230-499-11	s	VAR, CARBON 100K
RV104	1-230-499-11	s	VAR, CARBON 100K
RV105	1-228-999-00	s	VAR, CARBON 470K
RV106	1-228-999-00	s	VAR, CARBON 470K
RV107	1-228-999-00	s	VAR, CARBON 470K
5) RV401	1-228-993-00	s	VAR, CARBON 4.7K
6) RV401	1-230-720-11	s	VAR, CARBON 4.7k
RV402	1-228-990-00	s	VAR, METAL GLAZE 1k
RV403	1-228-997-00	s	VAR, CARBON 100K
RV404	1-228-997-00	s	VAR, CARBON 100K
6) RV405	1-228-994-00	s	VAR, METAL GLAZE 10k
RV501	1-237-517-21	s	VAR, METAL FILM 5k
RV502	1-228-994-00	s	VAR, METAL GLAZE 10k
RV503	1-228-994-00	s	VAR, METAL GLAZE 10k
RV504	1-228-999-00	s	VAR, CARBON 470K
RV505	1-228-996-00	s	VAR, CARBON 47K
1) RV506	1-228-994-00	s	VAR, METAL GLAZE 10k
2) RV506	1-228-995-00	s	VAR, CARBON 22k
1) RV507	1-228-994-00	s	VAR, METAL GLAZE 10k
RV601	1-228-994-00	s	VAR, METAL GLAZE 10k
RV602	1-228-994-00	s	VAR, METAL GLAZE 10k
RV603	1-228-994-00	s	VAR, METAL GLAZE 10k
11)S201	1-552-782-00	s	DIP
12)S201	1-570-623-11	s	DIP
S202	1-552-509-00	s	DIP
X401	1-567-865-11	s	VIBRATOR, CRYSTAL 12MHz

SW-170 BOARD

Ref No.	Parts No.	SP	Description
	1-622-737-11	o	PRINTED CIRCUIT BOARD, SW-170
D1	8-719-800-86	s	TLG255
D2	8-719-800-86	s	TLG255
D3	8-719-800-86	s	TLG255
D4	8-719-800-89	s	TLY255
D5	8-719-800-89	s	TLY255
D6	8-719-800-89	s	TLY255
Q1	8-729-178-55	s	2SC2785-E
Q2	8-729-178-55	s	2SC2785-E
Q3	8-729-178-55	s	2SC2785-E
RV1	1-237-713-11	s	VAR, VAR, CARBON 100k
S1	1-516-994-00	s	LEVER SLIDE "VIDEO LEVEL"
S2	1-516-994-00	s	LEVER SLIDE "AUDIO LIMITER"
S3	1-516-963-00	s	LEVER SLIDE "AUDIO MONITOR"
S4	1-516-994-00	s	LEVER SLIDE "INPUT SELECT"
S5	1-516-994-00	s	LEVER SLIDE "REMOTE/LOCAL"

SW-171 BOARD

Ref No.	Parts No.	SP	Description
3)	1-622-738-11	o	PRINTED CIRCUIT BOARD, SW-171
4)	1-622-738-12	o	PRINTED CIRCUIT BOARD, SW-171
S1	1-554-481-00	s	SLIDE "CHARACTER"
S2	1-554-481-00	s	SLIDE "DOLBY NR"
S3	1-554-481-00	s	SLIDE "REMOTE1/2"
39)S4	1-554-482-00	s	SLIDE "INT TBC/AUTO"
40)S4	1-571-908-11	s	SLIDE "INT TBC/AUTO"

SY-102 BOARD

Ref No.	Parts No.	SP	Description			
	A-6717-457-A	o	MOUNTED CIRCUIT BOARD, SY-102			
6) C1	1-124-236-00	s	ELECT	47	20%	16V
6) C2	1-124-236-00	s	ELECT	47	20%	16V
C3	1-124-445-00	s	ELECT	100	20%	16V
6) C5	1-124-236-00	s	ELECT	47	20%	16V
C6	1-161-379-00	s	CERAMIC	0.01	30%	16V
C7	1-131-351-00	s	TANTALUM	4.7	10%	35V
5) C8	1-123-611-00	s	ELECT	1	20%	50V
6) C8	1-124-255-00	s	ELECT	1	20%	50V
6) C10	1-124-236-00	s	ELECT	47	20%	16V
C11	1-124-245-00	s	ELECT	4.7	20%	16V
C12	1-107-169-00	s	MICA	100PF	5%	500V
C13	1-107-169-00	s	MICA	100PF	5%	500V
C14	1-161-379-00	s	CERAMIC	0.01	30%	16V
C15	1-161-379-00	s	CERAMIC	0.01	30%	16V
C16	1-161-379-00	s	CERAMIC	0.01	30%	16V
6) C17	1-162-210-31	s	CERAMIC	30PF	5%	50V
6) C18	1-162-210-31	s	CERAMIC	30PF	5%	50V
6) C19	1-124-236-00	s	ELECT	47	20%	16V
C20	1-161-379-00	s	CERAMIC	0.01	30%	16V
C21	1-161-379-00	s	CERAMIC	0.01	30%	16V
6) C22	1-124-236-00	s	ELECT	47	20%	16V
C23	1-161-379-00	s	CERAMIC	0.01	30%	16V
5) C27	1-123-611-00	s	ELECT	1	20%	50V
6) C27	1-124-255-00	s	ELECT	1	20%	50V
5) C28	1-124-247-00	s	ELECT	10	20%	25V
6) C28	1-124-240-00	s	ELECT	10	20%	25V
6) C29	1-124-236-00	s	ELECT	47	20%	16V
5) C30	1-123-611-00	s	ELECT	1	20%	50V
6) C30	1-124-255-00	s	ELECT	1	20%	50V
5) C31	1-161-855-00	s	CERAMIC	47PF	5%	50V
6) C31	1-102-106-00	s	CERAMIC	100PF	10%	50V
6) C35	1-162-215-31	s	CERAMIC	47PF	5%	50V
C36	1-161-379-00	s	CERAMIC	0.01	30%	16V
C37	1-161-379-00	s	CERAMIC	0.01	30%	16V
C38	1-161-379-00	s	CERAMIC	0.01	30%	16V
C39	1-161-379-00	s	CERAMIC	0.01	30%	16V
C40	1-161-379-00	s	CERAMIC	0.01	30%	16V
C41	1-161-379-00	s	CERAMIC	0.01	30%	16V
C42	1-161-379-00	s	CERAMIC	0.01	30%	16V
C43	1-161-379-00	s	CERAMIC	0.01	30%	16V
C44	1-161-379-00	s	CERAMIC	0.01	30%	16V
5) C45	1-161-379-00	s	CERAMIC	0.01	30%	16V
5) C46	1-161-379-00	s	CERAMIC	0.01	30%	16V
5) C47	1-161-379-00	s	CERAMIC	0.01	30%	16V
C48	1-162-207-31	s	CERAMIC	22PF	5%	50V
C49	1-162-207-31	s	CERAMIC	22PF	5%	50V
C51	1-124-245-00	s	ELECT	4.7	20%	16V

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
CN558	1-506-701-11	o	HEADER 10P
D2	8-719-911-19	s	1SS119
D3	8-719-911-19	s	1SS119
D4	8-719-911-19	s	1SS119
D5	8-719-911-19	s	1SS119
D6	8-719-911-19	s	1SS119
D7	8-719-911-19	s	1SS119
D8	8-719-911-19	s	1SS119
D9	8-719-911-19	s	1SS119
D10	8-719-911-19	s	1SS119
D11	8-719-911-19	s	1SS119
D12	8-719-911-19	s	1SS119
D15	8-719-911-19	s	1SS119
D16	8-719-911-19	s	1SS119
D17	8-719-911-19	s	1SS119
6) D18	8-719-911-19	s	1SS119
17)IC1	8-759-208-85	s	TMPZ84C011AF(TOSHIBA)
18)IC1	8-759-208-86	s	TMPZ84C011AF-6(TOSHIBA)
21)IC2	8-759-742-09	s	27C256-U950SYV105-25
22)IC2	8-759-731-44	s	27C256A-U950-SYV107
IC3	8-752-328-10	s	CXK5864BP-10L(SONY)
IC4	8-759-942-12	s	MBM2212-25P(FUJITSU)
IC5	8-759-916-84	s	LH0084A(SHARP)
IC6	8-759-938-68	s	CXD1095Q(SONY)
IC7	8-759-944-65	s	MB88551H-263M(FUJITSU)
5) IC8	8-759-202-86	s	TC74HC123P(TOSHIBA)
6) IC8	8-759-045-38	s	MC14538BCP(MOTOROLA)
17)IC9	8-759-202-74	s	TC74HC04P(TOSHIBA)
18)IC9	8-759-916-14	s	SN74HC04N(TI)
IC10	8-759-240-69	s	TC4069UBP(TOSHIBA)
IC11	8-759-202-85	s	MC74HC126N(TI)
IC12	8-759-008-57	s	MC34051P(MOTOROLA)
IC13	8-759-202-21	s	TC74HC32P(TI)
IC14	8-759-202-89	s	TC74HC139P(TI)
IC15	8-759-145-58	s	UPC4558C(NEC)
IC16	8-759-981-64	s	LM2903D(RAYTHEON)
IC17	8-759-202-21	s	TC74HC32P(TI)
17)IC18	8-759-202-17	s	TC74HC14P(TOSHIBA)
18)IC18	8-759-916-20	s	SN74HC14N(TI)
Q2	8-729-900-65	s	DTA144ES
Q3	8-729-900-89	s	DTC144ES
Q4	8-729-900-89	s	DTC144ES
Q5	8-729-275-42	s	2SC2754-Y
Q6	8-729-275-42	s	2SC2754-Y
Q7	8-729-178-55	s	2SC2785-E
Q8	8-729-178-55	s	2SC2785-E
Q9	8-729-900-89	s	DTC144ES
Q11	8-729-811-11	s	2SD1111
R8	1-247-881-00	s	CARBON 120k 5% 1/6W
R44	1-247-887-00	s	CARBON 220k 5% 1/6W
R47	1-247-887-00	s	CARBON 220k 5% 1/6W
R86	1-247-849-00	s	CARBON 5.6k 5% 1/6W
R88	1-247-849-00	s	CARBON 5.6k 5% 1/6W
5) RB1	1-235-005-00	s	RESISTOR BLOCK 47K
RB2	1-235-005-00	s	RESISTOR BLOCK 47K
RB3	1-231-410-00	s	RESISTOR BLOCK 10K
5) RB4	1-231-410-00	s	RESISTOR BLOCK 10K
5) RB5	1-235-005-00	s	RESISTOR BLOCK 47K

Ref No.	Parts No.	SP	Description
RB6	1-235-109-00	s	RESISTOR BLOCK 22K
RB7	1-235-109-00	s	RESISTOR BLOCK 22K
5) RB8	1-235-109-00	s	RESISTOR BLOCK 22K
RB9	1-231-407-00	s	RESISTOR BLOCK 2.2K
RB10	1-231-410-00	s	RESISTOR BLOCK 10K
RB11	1-231-410-00	s	RESISTOR BLOCK 10K
RV1	1-230-497-11	s	VAR, CARBON 22k
RV2	1-230-726-11	s	VAR, CARBON 470k
X1	1-567-870-11	s	VIBRATOR, CERAMIC 9.83MHz
X2	1-567-132-00	s	VIBLATOR, CERAMIC 8MHz

VR-48 BOARD

Ref No.	Parts No.	SP	Description
	1-622-727-11	o	PRINTED CIRCUIT BOARD, VR-48
C101	1-124-445-00	s	ELECT 100 20% 16V
C102	1-124-445-00	s	ELECT 100 20% 16V
C201	1-124-445-00	s	ELECT 100 20% 16V
C202	1-124-445-00	s	ELECT 100 20% 16V
IC1	8-759-982-02	s	RC4562D-D(RAYTHEON)
IC2	8-759-982-02	s	RC4562D-D(RAYTHEON)
RV1	1-230-339-11	s	VAR, VAR, CARBON 100k
RV2	1-237-715-11	s	VAR, VAR, CARBON 10k
RV3	1-237-714-11	s	VAR, VAR, CARBON 5k/5k
RV4	1-237-714-11	s	VAR, VAR, CARBON 5k/5k

VR-49 BOARD

Ref No.	Parts No.	SP	Description
	1-622-731-11	o	PRINTED CIRCUIT BOARD, VR-49
R11	1-249-406-11	s	CARBON 120 5% 1/6W
R12	1-249-406-11	s	CARBON 120 5% 1/6W
RV11	1-228-218-00	s	VAR, CARBON 500/500

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SWITCHING REGULATOR UR-21

Ref No.	Parts No.	SP	Description
⚠	1-413-307-23	s	SWITCHING REGULATOR UR-21B
⚠CN961	1-562-285-11	o	HOUSING 4P
M201	1-541-484-11	o	DC FAN

UR-21 C1 BOARD

Ref No.	Parts No.	SP	Description
C51	1-161-925-91	s	CERAMIC 100PF 10% 500V
C52	1-161-925-91	s	CERAMIC 100PF 10% 500V
C53	1-131-458-51	s	TANTAL 1.5 20% 16V
C55	1-130-018-51	s	FILM 0.001 5% 50V
C56	1-130-528-51	s	TEREPHTHALATE 0.1 10% 50V
C57	1-130-506-91	s	TEREPHTHALATE 0.0015 10% 50V
C59	1-130-528-51	s	TEREPHTHALATE 0.1 10% 50V
C61	1-124-924-91	s	ELECT 1 20% 100V
CN52	1-564-352-11	o	PIN, 7P
CN53	1-564-352-11	o	PIN, 7P
D51	1-807-913-21	s	11EQS04
D52	1-807-913-21	s	11EQS04
D53	1-807-913-21	s	11EQS04
D54	1-807-913-21	s	11EQS04
D55	8-719-911-19	s	1SS119
D56	8-719-911-19	s	1SS119
D57	8-719-109-93	s	RD6.2ES-B3
D58	8-719-107-87	s	THYRISTOR 03P2M
D59	8-719-911-19	s	1SS119
D60	8-719-911-19	s	1SS119
D61	8-719-911-19	s	1SS119
D62	8-719-911-19	s	1SS119
D63	8-719-109-75	s	RD4.3ES-B2
IC51	8-759-937-59	s	MB3759(FUJITSU)
IC52	8-759-103-93	s	UPC393C(NEC)
L51	1-410-466-21	s	MICRO 4.7
Q51	8-729-208-04	s	2SK422
Q52	8-729-208-04	s	2SK422
Q53	8-729-117-54	s	2SA1175
Q54	8-729-178-54	s	2SC2785
Q55	8-729-117-54	s	2SA1175
R51	1-247-817-91	s	CARBON 270 5% 1/4W
R52	1-247-829-91	s	CARBON 820 5% 1/4W
R53	1-247-825-91	s	CARBON 560 5% 1/4W
R54	1-247-825-91	s	CARBON 560 5% 1/4W
R55	1-215-445-91	s	METAL 10K 1% 1/6W
R56	1-247-903-91	s	CARBON 1M 5% 1/4W
R57	1-247-823-91	s	CARBON 470 5% 1/4W
R58	1-247-875-91	s	CARBON 68K 5% 1/4W
R60	1-247-835-91	s	CARBON 1.5K 5% 1/4W
R61	1-247-849-91	s	CARBON 5.6K 5% 1/4W
R62	1-247-831-91	s	CARBON 1K 5% 1/4W
R63	1-247-839-91	s	CARBON 2.2K 5% 1/4W
R64	1-247-847-91	s	CARBON 4.7K 5% 1/4W
R65	1-247-847-91	s	CAROBN 4.7K 5% 1/4W
R66	1-247-869-91	s	CARBON 39K 5% 1/4W
R67	1-247-839-91	s	CARBON 2.2K 5% 1/4W
R68	1-247-853-91	s	CARBON 8.2K 5% 1/4W
R69	1-247-831-91	s	CARBON 1K 5% 1/4W
R70	1-247-849-91	s	CARBON 5.6K 5% 1/4W
R71	1-247-831-91	s	CARBON 1K 5% 1/4W
R72	1-247-843-91	s	CARBON 3.3K 5% 1/4W
R73	1-247-841-91	s	CARBON 2.7K 5% 1/4W
R74	1-247-843-91	s	CARBON 3.3K 5% 1/4W
R75	1-247-843-91	s	CARBON 3.3K 5% 1/4W
R76	1-247-839-91	s	CARBON 2.2K 5% 1/4W
R77	1-247-839-91	s	CARBON 2.2K 5% 1/4W
R78	1-247-839-91	s	CARBON 2.2K 5% 1/4W
R79	1-247-849-91	s	CARBON 5.6K 5% 1/4W
R80	1-247-855-91	s	CARBON 10K 5% 1/4W
R81	1-247-847-91	s	CARBON 4.7K 5% 1/4W
R82	1-247-865-91	s	CARBON 27K 5% 1/4W
R83	1-247-857-91	s	CARBON 12K 5% 1/4W
R84	1-247-821-91	s	CARBON 390 5% 1/4W
R85	1-247-831-91	s	CARBON 1K 5% 1/4W
RV51	1-228-990-11	s	VAR, METAL GLAZE 1K

UR-21 C2 BOARD

Ref No.	Parts No.	SP	Description
C51	1-161-925-91	s	CERAMIC 100PF 10% 500V
C52	1-161-925-91	s	CERAMIC 100PF 10% 500V
C53	1-131-458-51	s	TANTAL 1.5 20% 16V
C55	1-130-018-51	s	FILM 0.001 5% 50V
C56	1-130-528-51	s	TEREPHTHALATE 0.1 10% 50V
C57	1-130-506-91	s	TEREPHTHALATE 0.0015 10% 50V
C59	1-130-528-51	s	TEREPHTHALATE 0.1 10% 50V
CN52	1-564-352-11	o	PIN, 7P
CN53	1-564-352-11	o	PIN, 7P

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Ref No.	Parts No.	SP	Description
D51	1-807-913-21	s	11EQS04
D52	1-807-913-21	s	11EQS04
D53	1-807-913-21	s	11EQS04
D54	1-807-913-21	s	11EQS04
D55	1-719-911-19	s	1SS119
D56	1-719-911-19	s	1SS119
D57	8-719-112-98	s	RD15ES-T1B2
D58	8-719-108-87	s	03P2M
D59	8-719-911-19	s	1SS119
D60	8-719-911-19	s	1SS119
D61	8-719-911-19	s	1SS119
D62	8-719-911-19	s	1SS119
D63	8-719-112-73	s	RD11ES-T1B2
IC51	8-759-937-59	s	MB3759(FUJITSU)
IC52	8-759-103-93	s	UPC393C(NEC)
L51	1-410-466-21	s	MICRO 4.7
Q51	8-729-208-04	s	2SK422
Q52	8-729-208-04	s	2SK422
Q53	8-729-117-54	s	2SA1175
Q54	8-729-178-54	s	2SC2785
Q55	8-729-117-54	s	2SA1175
R51	1-247-813-91	s	CARBON 180 5% 1/4W
R52	1-247-829-91	s	CARBON 820 5% 1/4W
R53	1-247-825-91	s	CARBON 560 5% 1/4W
R54	1-247-825-91	s	CARBON 560 5% 1/4W
R55	1-215-445-91	s	METAL 10K 1% 1/6W
R56	1-247-903-91	s	CARBON 1M 5% 1/4W
R57	1-247-823-91	s	CARBON 470 5% 1/4W
R58	1-247-877-91	s	CARBON 82K 5% 1/4W
R60	1-247-813-91	s	CARBON 7.5K 5% 1/4W
R61	1-247-849-91	s	CARBON 27K 5% 1/4W
R62	1-247-835-91	s	CARBON 1.5K 5% 1/4W
R63	1-247-839-91	s	CARBON 2.2K 5% 1/4W
R64	1-247-865-91	s	CARBON 4.7K 5% 1/4W
R65	1-247-847-91	s	CARBON 4.7K 5% 1/4W
R66	1-247-869-91	s	CARBON 39K 5% 1/4W
R68	1-247-853-91	s	CARBON 8.2K 5% 1/4W
R69	1-247-831-91	s	CARBON 1K 5% 1/4W
R70	1-247-849-91	s	CARBON 5.6K 5% 1/4W
R71	1-247-831-91	s	CARBON 1K 5% 1/4W
R72	1-247-843-91	s	CARBON 3.3K 5% 1/4W
R73	1-247-841-91	s	CARBON 2.7K 5% 1/4W
R74	1-247-855-91	s	CARBON 10K 5% 1/4W
R75	1-247-855-91	s	CARBON 10K 5% 1/4W
R76	1-247-839-91	s	CARBON 2.2K 5% 1/4W
R77	1-247-855-91	s	CARBON 10K 5% 1/4W
R78	1-247-847-91	s	CARBON 4.7K 5% 1/4W
R79	1-247-863-91	s	CARBON 22K 5% 1/4W
R80	1-247-855-91	s	CARBON 10K 5% 1/5W
R81	1-247-849-91	s	CARBON 5.6K 5% 1/4W
R83	1-247-843-91	s	CARBON 3.3K 5% 1/4W
R84	1-247-847-91	s	CARBON 4.7K 5% 1/4W
R85	1-247-831-91	s	CAROBN 1K 5% 1/4W
RV51	1-228-990-11	s	VAR, METAL GLAZE 1K

UR-21 M1 BOARD

Ref No.	Parts No.	SP	Description			
C101	1-136-564-11	s	CERAMIC	1000PF	10%	500V
C102	1-136-564-11	s	CERAMIC	1000PF	10%	500V
C104	1-125-477-11	s	ELECT	470	20%	400V
C105	1-125-477-11	s	ELECT	470	20%	400V
C106	1-161-915-11	s	CERAMIC	1000PF	10%	500V
C107	1-161-915-11	s	CERAMIC	1000PF	10%	500V
C203	1-161-915-11	s	CERAMIC	1000PF	10%	500V
C204	1-161-915-11	s	CERAMIC	1000PF	10%	500V
C205	1-124-636-51	s	ELECT	3300	20%	25V
C206	1-130-516-91	s	TEREPHTHALATE	0.01	10%	50V
C209	1-124-891-51	s	ELECT	10000	20%	6.3V
C211	1-130-772-21	s	METAL	0.22	10%	63V
C212	1-124-621-51	s	ELECT	3300	20%	6.3V
C213	1-130-772-21	s	METAL	0.22	10%	63V
C214	1-124-585-51	s	ELECT	3300	20%	10V
C221	1-130-518-91	s	TEREPHTHALATE	0.015	10%	50V
C222	1-130-524-51	s	TEREPHTHALATE	0.047	10%	50V
C223	1-130-524-51	s	TEREPHTHALATE	0.047	10%	50V
C227	1-124-120-51	s	ELECT	220	20%	25V
C228	1-130-772-21	s	METAL	0.22	10%	63V
C229	1-130-772-21	s	METAL	0.22	10%	63V
C230	1-130-772-21	s	METAL	0.22	10%	63V
CN101	1-564-242-11	o	5P			
CN201	1-564-932-11	o	9P			
CN202	1-560-893-11	o	5P			
CN203	1-560-299-11	o	2P			
CN204	1-560-890-21	o	2P			
D101	8-719-109-75	s	RD4.3ES-B2			
D102	8-719-912-20	s	1SS120			
D103	1-807-913-21	s	11EQS04			
D104	1-807-913-21	s	11EQS04			
D201	1-807-774-21	s	AU02A			
D202	8-719-109-85	s	RD5.1ES-B2			
D203	8-719-109-85	s	RD5.1ES-B2			
D204	8-719-911-19	s	1SS119			
D205	8-719-200-01	s	10E-1			
D206	8-719-200-01	s	10E-1			

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
D207	1-807-911-11	s	F10P40F
D208	8-719-200-01	s	10E-1
D209	8-719-200-01	s	10E-1
D210	8-719-302-60	s	FML-32S
D211	1-807-963-21	s	31DF2
D212	1-807-963-21	s	31DF2
D213	8-719-110-13	s	RD9.1ES-B2
D214	1-807-911-21	s	F10P40FR
D215	8-719-912-20	s	1SS120
D216	8-719-912-20	s	1SS120
D220	8-719-200-01	s	10E-1
D222	8-719-200-01	s	10E-1
FB201	1-543-060-11	s	
FB202	1-543-060-11	s	
FB203	1-543-060-11	s	
FB204	1-543-060-11	s	
FB205	1-543-060-11	s	
FB206	1-543-060-11	s	
IC101	1-807-814-11	s	B-5272(JRM)
IC201	8-759-135-80	s	UPC358C(NEC)
IC202	8-759-077-33	s	TL431CLP(TI)
IC203	8-759-077-33	s	TL431CLP(TI)
L201	A-4935-038-A	s	CHOKE
L202	1-421-459-21	s	CHOKE
L203	A-4935-037-A	s	CHOKE
L204	1-421-459-21	s	CHOKE
L205	1-421-734-11	s	CHOKE
L206	1-421-459-21	s	CHOKE
L207	1-421-459-21	s	CHOKE
⚠ PS101	1-532-605-11	s	LINK, IC
PS102	1-532-605-11	s	LINK, IC
PS201	1-532-605-11	s	LINK, IC
Q101	1-807-858-11	s	IREP451
Q102	1-807-858-11	s	IREP451
Q103	8-729-113-32	s	2SB733
Q104	8-729-113-32	s	2SB733
Q201	8-729-103-43	s	2SB734
Q202	8-729-178-54	s	2SC2785
Q203	8-729-178-54	s	2SC2785
Q204	8-729-178-54	s	2SC2785
Q205	1-807-914-11	s	2SA1443
Q206	8-729-177-43	s	2SD774
Q207	1-807-914-11	s	2SA1443
Q208	8-729-117-54	s	2SA1175
Q209	1-807-195-11	s	2SC3692
Q210	8-729-178-54	s	2SC2785

Ref No.	Parts No.	SP	Description
R101	1-247-855-91	s	CARBON 10K 5% 1/4W
R102	1-246-473-75	s	CARBON 1K 5% 1/4W
⚠ R103	1-247-692-51	s	CARBON 22 5% 1/4W
R104	1-247-692-51	s	CARBON 22 5% 1/4W
R105	1-247-831-91	s	CARBON 1K 5% 1/4W
R106	1-247-831-91	s	CAROBN 1K 5% 1/4W
⚠ R107	1-205-622-11	s	CEMENT 33 5% 5W
R201	1-247-849-91	s	CARBON 5.6K 5% 1/4W
R202	1-247-837-91	s	CARBON 1.8K 5% 1/4W
R203	1-246-445-75	s	CARBON 68 5% 1/4W
R204	1-247-855-91	s	CARBON 10K 5% 1/4W
R205	1-247-861-91	s	CARBON 18K 5% 1/4W
R206	1-247-841-91	s	CARBON 2.7K 5% 1/4W
R207	1-247-849-91	s	CARBON 5.6K 5% 1/4W
R208	1-247-843-91	s	CARBON 3.3K 5% 1/4W
R209	1-247-831-91	s	CAROBN 1K 5% 1/4W
⚠ R210	1-205-623-11	s	CEMENT 47 5% 5W
R212	1-206-648-61	s	FILM 220 5% 2W
R213	1-247-859-91	s	CARBON 15K 5% 1/4W
R214	1-247-855-91	s	CARBON 10K 5% 1/4W
R215	1-247-887-91	s	CAROBN 220K 5% 1/4W
R216	1-215-451-91	s	METAL 18K 1% 1/6W
R217	1-215-435-91	s	METAL 3.9K 1% 1/6W
R218	1-215-426-91	s	METAL 1.6K 1% 1/6W
R219	1-215-425-91	s	METAL 1.5K 1% 1/6W
⚠ R220	1-213-137-61	s	METAL 330 5% 1W
R221	1-246-441-75	s	CARBON 47 5% 1/4W
R222	1-247-831-01	s	CARBON 1K 5% 1/4W
R223	1-247-837-91	s	CARBON 1.8K 5% 1/4W
R224	1-247-835-91	s	CARBON 1.5K 5% 1/4W
⚠ R225	1-213-135-61	s	METAL 220 5% 1W
R226	1-247-841-91	s	CARBON 2.7K 5% 1/4W
R227	1-215-446-91	s	METAL 11K 1% 1/6W
R228	1-215-427-91	s	METAL 1.8K 1% 1/6W
R229	1-214-669-71	s	METAL 3.3 1% 1/4W
⚠ R230	1-206-652-61	s	METAL 330 5% 2W
R231	1-206-652-61	s	METAL 330 5% 2W
RV201	1-230-667-11	s	VAR, CERMET 500
ST201	1-571-055-71	s	THERMAL SENSOR
⚠ T101	1-448-393-11	s	CONVERTER
T102	A-4935-035-A	s	CONVERTER
T103	1-421-819-11	s	CURRENT
T104	1-437-188-11	s	DRIVE
T105	1-437-188-11	s	DRIVE

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Ref No.	Parts No.	SP	Description
T106	1-447-938-11	s	CONVERTER

UR-21/21B M2 BOARD

Ref No.	Parts No.	SP	Description			
⚠ C151	1-136-185-12	s	FILM	0.22	20%	250V
C152	1-136-185-12	s	FILM	0.22	20%	250V
C154	1-136-185-12	s	FILM	0.22	20%	250V
C155	1-161-742-12	s	CERAMIC	2200PF	20%	400V
⚠ C156	1-161-742-12	s	CERAMIC	2200PF	20%	400V
C157	1-161-742-12	s	CERAMIC	2200PF	20%	400V
C158	1-161-742-12	s	CERAMIC	2200PF	20%	400V
C159	1-161-742-12	s	CERAMIC	2200PF	20%	400V
C161	1-136-564-11	s	FILM	1.8	10%	250V
C162	1-136-564-11	s	FILM	1.8	10%	250V
C163	1-161-915-11	s	CERAMIC	1000PF	10%	500V
C164	1-161-915-11	s	CERAMIC	1000PF	10%	500V
⚠ C165	1-161-742-12	s	CERAMIC	2200PF	20%	400V
C166	1-161-742-12	s	CERAMIC	2200PF	20%	400V
C167	1-161-742-12	s	CERAMIC	2200PF	20%	400V
C251	1-161-915-11	s	CERAMIC	1000PF	10%	500V
C252	1-161-915-11	s	CERAMIC	1000PF	10%	500V
C253	1-124-556-51	s	ELECT	2200	20%	16V
C254	1-124-555-51	s	ELECT	1000	20%	16V
C255	1-124-923-91	s	ELECT	0.47	20%	100V
C256	1-124-898-51	s	ELECT	4700	20%	16V
C257	1-124-898-51	s	ELECT	4700	20%	16V
C258	1-124-898-51	s	ELECT	4700	20%	16V
C260	1-124-563-51	s	ELECT	2200	20%	25V
C263	1-130-518-91	s	TEREPHTHALATE	0.015	10%	50V
C264	1-130-524-91	s	TEREPHTHALATE	0.047	10%	50V
C265	1-130-524-91	s	TEREPHTHALATE	0.047	10%	50V
C268	1-130-772-21	s	FILM	0.22	10%	63V
C269	1-130-772-21	s	FILM	0.22	10%	63V
C270	1-130-772-21	s	FILM	0.22	10%	63V
⚠ CN151	1-564-215-11	o	PIN, 4P			
CN251	1-566-313-11	o	PIN, 7P			
CN252	1-560-893-11	o	PIN, 5P			
CN253	1-560-890-21	o	PIN, 2P			
D151	1-807-907-11	s	KB088JLM			
D153	1-807-913-21	s	11EQS04			
D154	1-807-913-21	s	11EQS04			
D251	1-807-909-11	s	F10P201			
D252	1-807-921-11	s	FMG-34S			
D253	1-807-911-21	s	F10P40FR			
D254	8-719-109-97	s	RD6.8ES-B2			
D255	8-719-912-00	s	1SS120			
D256	8-719-912-00	s	1SS120			
D257	8-719-200-01	s	10E-1			
D258	8-719-911-19	s	1SS119			
D260	8-719-912-20	s	1SS120			
⚠ F151	1-532-604-21	s	FUSE, 250V 0.3A			
FB251	1-543-060-11	s				
FB252	1-543-060-11	s				
FB253	1-543-060-11	s				
FB254	1-543-060-11	s				
FB255	1-543-060-11	s				
FB256	1-543-060-11	s				
IC251	8-759-007-33	s	TL431CLP(TI)			
⚠ L151	1-421-590-11	s	LINE FILTER			
L152	1-421-978-11	s	LINE FILTER			
L251	A-4935-039-A	s	CHOKE			
L252	1-421-459-21	s	CHOKE			
L253	1-421-734-11	s	CHOKE			
L254	1-408-322-11	s	CHOKE			
L255	1-421-459-21	s	CHOKE			
L512	1-421-978-11	s	LINE FILTER			
Q151	1-807-858-11	s	IREP451			
Q152	1-807-858-11	s	IREP451			
Q153	8-729-113-32	s	2SB733			
Q154	8-729-113-32	s	2SB733			
Q251	8-729-178-54	s	2SC2785			
Q252	1-807-195-11	s	2SC3692			
Q253	8-729-178-54	s	2SC2785			
R151	1-202-727-11	s	SOLID	4.7M	10%	1/2W
⚠ R152	1-205-915-11	s	WIREWOUND	4.7	10%	7W
R153	1-205-915-11	s	WIREWOUND	4.7	10%	7W
R154	1-247-692-51	s	CARBON	22	5%	1/4W
R155	1-247-692-51	s	CARBON	22	5%	1/4W

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Ref No.	Parts No.	SP	Description			
R156	1-247-831-91	s	CARBON	1K	5%	1/4W
R157	1-247-831-91	s	CARBON	1K	5%	1/4W
⚠R158	1-205-652-11	s	CEMENT	68	5%	5W
R251	1-205-622-11	s	CEMENT	33	5%	5W
R252	1-247-835-91	s	CARBON	1.5K	5%	1/4W
R253	1-247-855-91	s	CARBON	10K	5%	1/4W
⚠R254	1-213-135-61	s	FILM	220	5%	1W
R255	1-247-839-91	s	CARBON	2.2K	5%	1/4W
R256	1-247-843-91	s	CARON	3.3K	5%	1/4W
R257	1-247-859-91	s	CARBON	15K	5%	1/4W
R258	1-214-669-71	s	FILM	3.3	1%	1/4W
⚠R259	1-206-652-61	s	FILM	330	5%	2W
R260	1-206-652-61	s	FILM	330	5%	2W
RV251	1-230-668-11	s	VAR, CERMET 1K			
⚠RY151	1-515-662-11	s	POWER			
ST251	1-571-055-71	s	THERMAL SENSOR			
⚠T151	A-4935-036-A	s	CONVERTER			
T152	1-421-819-11	s	CURRENT			
T153	1-437-188-11	s	DRIVE			
T154	1-437-188-11	s	DRIVE			

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S/N 11376 AND HIGHER (J)
S/N 15641 AND HIGHER (UC)

SV-113B BOARD

Ref No.	Parts No.	SP	Description
	A-6715-433-A	o	MOUNTED CIRCUIT BOARD, SV-113B
C101	1-126-157-11	s	ELECT 10 20% 16V
C102	1-124-234-00	s	ELECT 22 20% 16V
C107	1-161-494-00	s	CERAMIC 0.022 25V
C111	1-162-290-31	s	CERAMIC 470PF 10% 50V
C114	1-162-282-31	s	CERAMIC 100PF 10% 50V
C116	1-162-290-31	s	CERAMIC 470PF 10% 50V
C204	1-126-094-11	s	ELECT 4.7 20% 25V
C205	1-161-379-00	s	CERAMIC 0.01 30% 16V
C206	1-162-282-31	s	CERAMIC 100PF 10% 50V
C208	1-126-094-11	s	ELECT 4.7 20% 25V
C210	1-161-379-00	s	CERAMIC 0.01 30% 16V
C211	1-162-282-31	s	CERAMIC 100PF 10% 50V
C212	1-124-438-00	s	ELECT 1 20% 50V
C214	1-126-157-11	s	ELECT 10 20% 16V
C216	1-162-213-31	s	SERAMIC 39PF 5% 50V
C218	1-124-438-00	s	ELECT 1 20% 50V
C220	1-126-157-11	s	ELECT 10 20% 16V
C221	1-162-213-31	s	CERAMIC 39PF 5% 50V
C224	1-124-438-00	s	ELECT 1 20% 50V
C226	1-126-157-11	s	ELECT 10 20% 16V
C227	1-162-213-31	s	CERAMIC 39PF 5% 50V
C232	1-162-288-31	s	CERAMIC 330PF 10% 50V
C233	1-162-288-31	s	CERAMIC 330PF 10% 50V
C234	1-162-290-31	s	CERAMIC 470PF 10% 50V
C235	1-162-290-31	s	CERAMIC 470PF 10% 50V
C301	1-161-494-00	s	CERAMIC 0.022 25V
C302	1-161-494-00	s	CERAMIC 0.022 25V
C303	1-161-494-00	s	CERAMIC 0.022 25V
C304	1-126-157-11	s	ELECT 10 20% 16V
C305	1-124-438-00	s	ELECT 1 20% 50V
C306	1-124-438-00	s	ELECT 1 20% 50V
C310	1-162-290-31	s	CERAMIC 470PF 10% 50V
C311	1-124-234-00	s	ELECT 22 20% 16V
C312	1-124-234-00	s	ELECT 22 20% 16V
C313	1-124-234-00	s	ELECT 22 20% 16V
C314	1-124-465-00	s	ELECT 0.47 20% 50V
C316	1-162-286-31	s	CERAMIC 220PF 10% 50V
C317	1-162-286-31	s	CERAMIC 220PF 10% 50V
C326	1-126-157-11	s	ELECT 10 20% 16V
C327	1-161-494-00	s	CERAMIC 0.022 25V
C328	1-126-157-11	s	ELECT 10 20% 16V
C333	1-161-494-00	s	CERAMIC 0.022 25V
C337	1-162-294-31	s	CERAMIC 0.001 10% 50V
C338	1-162-294-31	s	CERAMIC 0.001 10% 50V
C339	1-162-294-31	s	CERAMIC 0.001 10% 50V
C340	1-162-294-31	s	CERAMIC 0.001 10% 50V
C341	1-162-294-31	s	CERAMIC 0.001 10% 50V
C343	1-162-294-31	s	CERAMIC 0.001 10% 50V
C345	1-162-288-31	s	CERAMIC 330PF 10% 50V
C346	1-126-157-11	s	ELECT 10 20% 16V
C401	1-161-377-00	s	CERAMIC 0.0047 30% 16V
C402	1-161-377-00	s	CERAMIC 0.0047 30% 16V
C403	1-126-157-11	s	ELECT 10 20% 16V
C404	1-161-494-00	s	CERAMIC 0.022 25V
C405	1-161-494-00	s	CERAMIC 0.022 25V
C406	1-162-294-31	s	CERAMIC 0.001 10% 50V
C407	1-162-294-31	s	CERAMIC 0.001 10% 50V
C408	1-162-294-31	s	CERAMIC 0.001 10% 50V
C409	1-162-294-31	s	CERAMIC 0.001 10% 50V
C410	1-161-494-00	s	CERAMIC 0.022 25V
C411	1-126-157-11	s	ELECT 10 20% 16V
C412	1-126-157-11	s	ELECT 10 20% 16V
C503	1-162-282-31	s	CERAMIC 100PF 10% 50V
C504	1-162-282-31	s	CERAMIC 100PF 10% 50V
C505	1-162-282-31	s	CERAMIC 100PF 10% 50V
C506	1-161-377-00	s	CERAMIC 0.047 30% 16V
C512	1-162-282-31	s	CERAMIC 100PF 10% 50V
C513	1-161-377-00	s	CERAMIC 0.047 30% 16V
C514	1-162-282-31	s	CERAMIC 100PF 10% 50V
C515	1-162-282-31	s	CERAMIC 100PF 10% 50V
C516	1-124-465-00	s	ELECT 0.47 20% 50V
C517	1-124-465-00	s	ELECT 0.47 20% 50V
C702	1-126-103-11	s	ELECT 470 20% 16V
C704	1-126-103-11	s	ELECT 470 20% 16V
C705	1-161-494-00	s	CERAMIC 0.022 25V
C706	1-161-494-00	s	CERAMIC 0.022 25V
C707	1-161-494-00	s	CERAMIC 0.022 25V
C708	1-161-494-00	s	CERAMIC 0.022 25V
C709	1-161-494-00	s	CERAMIC 0.022 25V
C710	1-161-494-00	s	CERAMIC 0.022 25V
C711	1-161-494-00	s	CERAMIC 0.022 25V
C714	1-161-494-00	s	CERAMIC 0.022 25V
C715	1-161-494-00	s	CERAMIC 0.022 25V
C716	1-161-494-00	s	CERAMIC 0.022 25V
C717	1-161-494-00	s	CERAMIC 0.022 25V
C718	1-161-494-00	s	CERAMIC 0.022 25V
C719	1-161-494-00	s	CERAMIC 0.022 25V
C720	1-161-494-00	s	CERAMIC 0.022 25V
C721	1-161-494-00	s	CERAMIC 0.022 25V
C722	1-161-494-00	s	CERAMIC 0.022 25V
C723	1-161-494-00	s	CERAMIC 0.022 25V
C726	1-161-494-00	s	CERAMIC 0.022 25V
C727	1-161-494-00	s	CERAMIC 0.022 25V
C728	1-161-494-00	s	CERAMIC 0.022 25V
C729	1-161-494-00	s	CERAMIC 0.022 25V
C730	1-161-494-00	s	CERAMIC 0.022 25V
C731	1-161-494-00	s	CERAMIC 0.022 25V
C732	1-161-494-00	s	CERAMIC 0.022 25V
C733	1-161-494-00	s	CERAMIC 0.022 25V
C734	1-161-494-00	s	CERAMIC 0.022 25V
C735	1-161-494-00	s	CERAMIC 0.022 25V
C736	1-161-494-00	s	CERAMIC 0.022 25V
C737	1-161-494-00	s	CERAMIC 0.022 25V

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Ref No.	Parts No.	SP	Description
C738	1-161-494-00	s	CERAMIC 0.022 25V
C739	1-161-494-00	s	CERAMIC 0.022 25V
C740	1-161-494-00	s	CERAMIC 0.022 25V
C741	1-161-494-00	s	CERAMIC 0.022 25V
C742	1-161-494-00	s	CERAMIC 0.022 25V
C743	1-161-494-00	s	CERAMIC 0.022 25V
C744	1-161-494-00	s	CERAMIC 0.022 25V
C745	1-161-494-00	s	CERAMIC 0.022 25V
C746	1-161-494-00	s	CERAMIC 0.022 25V
C747	1-161-494-00	s	CERAMIC 0.022 25V
C748	1-161-494-00	s	CERAMIC 0.022 25V
C749	1-161-494-00	s	CERAMIC 0.022 25V
C750	1-161-494-00	s	CERAMIC 0.022 25V
C751	1-161-494-00	s	CERAMIC 0.022 25V
C752	1-161-494-00	s	CERAMIC 0.022 25V
C753	1-161-494-00	s	CERAMIC 0.022 25V
C754	1-161-494-00	s	CERAMIC 0.022 25V
C755	1-161-494-00	s	CERAMIC 0.022 25V
C756	1-161-494-00	s	CERAMIC 0.022 25V
C757	1-161-494-00	s	CERAMIC 0.022 25V
C758	1-161-494-00	s	CERAMIC 0.022 25V
C759	1-161-494-00	s	CERAMIC 0.022 25V
32)C762	1-102-110-00	s	CERAMIC 220PF 10% 50V
CN101	1-506-747-21	o	PIN, DIN (DIP) 64P
CN102	1-506-747-21	o	PIN, DIN (DIP) 64P
CN3	1-506-493-11	o	PIN, 14P
CN4	1-506-491-11	o	PIN, 12P
D101	8-719-911-19	s	1SS119
D102	8-719-911-19	s	1SS119
D103	8-719-911-19	s	1SS119
D104	8-719-911-19	s	1SS119
D105	8-719-911-19	s	1SS119
D106	8-719-911-19	s	1SS119
D107	8-719-911-19	s	1SS119
D108	8-719-911-19	s	1SS119
D109	8-719-911-19	s	1SS119
D111	8-719-911-19	s	1SS119
D112	8-719-911-19	s	1SS119
D114	8-719-911-19	s	1SS119
D115	8-719-911-19	s	1SS119
D201	8-719-911-19	s	1SS119
D202	8-719-911-19	s	1SS119
D203	8-719-911-19	s	1SS119
D204	8-719-911-19	s	1SS119
D205	8-719-911-19	s	1SS119
D206	8-719-911-19	s	1SS119
D207	8-719-911-19	s	1SS119
D208	8-719-911-19	s	1SS119
D209	8-719-911-19	s	1SS119
D301	8-719-911-19	s	1SS119
D302	8-719-911-19	s	1SS119
D303	8-719-911-19	s	1SS119
D304	8-719-911-19	s	1SS119
D305	8-719-911-19	s	1SS119
D306	8-719-911-19	s	1SS119

Ref No.	Parts No.	SP	Description
D309	8-719-911-19	s	1SS119
D310	8-719-911-19	s	1SS119
D311	8-719-911-19	s	1SS119
D312	8-719-911-19	s	1SS119
D313	8-719-911-19	s	1SS119
D314	8-719-911-19	s	1SS119
D315	8-719-911-19	s	1SS119
D316	8-719-911-19	s	1SS119
D317	8-719-911-19	s	1SS119
D318	8-719-911-19	s	1SS119
D319	8-719-911-19	s	1SS119
D320	8-719-911-19	s	1SS119
D321	8-719-812-31	s	TLR123
D322	8-719-911-19	s	1SS119
D323	8-719-911-19	s	1SS119
D326	8-719-911-19	s	1SS119
D327	8-719-911-19	s	1SS119
D401	8-719-911-19	s	1SS119
D402	8-719-911-19	s	1SS119
D403	8-719-911-19	s	1SS119
D404	8-719-911-19	s	1SS119
D405	8-719-911-19	s	1SS119
D406	8-719-911-19	s	1SS119
D407	8-719-911-19	s	1SS119
D408	8-719-911-19	s	1SS119
D409	8-719-911-19	s	1SS119
D410	8-719-911-19	s	1SS119
D411	8-719-911-19	s	1SS119
D412	8-719-911-19	s	1SS119
D413	8-719-911-19	s	1SS119
D414	8-719-911-19	s	1SS119
D501	8-719-911-19	s	1SS119
D502	8-719-911-19	s	1SS119
D503	8-719-911-19	s	1SS119
D504	8-719-110-03	s	RD7.5ES-B2
D701	8-719-911-19	s	1SS119
IC101	8-759-938-68	s	CXD1095Q(SONY)
IC102	8-759-970-31	s	MB88202H-567M(FUJITSU)
IC103	8-743-914-00	s	BX3914(SONY)
IC104	8-759-208-10	s	TC4053BPHB(TOSHIBA)
IC105	8-759-981-90	s	RC4558DD(RAYTHEON)
IC106	8-759-245-10	s	TC4510BP(TOSHIBA)
IC107	8-759-245-10	s	TC4510BP(TOSHIBA)
IC108	8-759-240-82	s	TC4082BP(TOSHIBA)
IC109	8-759-240-82	s	TC4082BP(TOSHIBA)
IC110	8-759-240-01	s	TC4001BP(TOSHIBA)
IC111	8-759-240-01	s	TC4001BP(TOSHIBA)
IC112	8-759-202-74	s	TC74HC04P(TOSHIBA)
IC113	8-759-916-20	s	SN74HC14N(TI)
IC114	8-759-208-10	s	TC4053BPHB(TOSHIBA)
IC115	8-759-208-10	s	TC4053BPHB(TOSHIBA)
IC116	8-759-202-14	s	TC74HC08P(TOSHIBA)
IC117	8-759-340-13	s	HD14013BP(HITACHI)
IC118	8-759-345-38	s	HD14538BP(HITACHI)
IC201	8-759-981-64	s	LM2903DQ(RAYTHEON)
IC202	8-759-132-40	s	uPC324C(NEC)

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
IC203	8-759-981-64	s	LM2903DQ(RAYTHEON)
IC204	8-759-240-71	s	TC4071BP(TOSHIBA)
IC205	8-759-207-73	s	TC4030BPHB(TOSHIBA)
IC206	8-759-208-10	s	TC4053BPHB(TOSHIBA)
IC207	8-759-345-38	s	HD14538BP(HITACHI)
IC208	8-759-981-64	s	LM2903DQ(RAYTHEON)
IC209	8-759-981-64	s	LM2903DQ(RAYTHEON)
IC210	8-759-910-43	s	CX23028(SONY)
IC211	8-759-916-20	s	SN74HC14N(TI)
IC301	8-752-811-83	s	CXP80116-159Q(SONY)
IC302	8-759-938-68	s	CXD1095Q(SONY)
IC303	8-743-915-10	s	BX3915A(SONY)
IC304	8-759-922-36	s	CX20060(SONY)
IC306	8-759-345-38	s	HD14538BP(HITACHI)
IC307	8-759-202-74	s	TC74HC04P(TOSHIBA)
IC308	8-752-330-59	s	CXK1011P(SONY)
IC309	8-759-977-78	s	MB88342(FUJITSU)
IC310	8-759-145-58	s	uPC4558C(NEC)
IC311	8-759-345-38	s	HD14538BP(HITACHI)
IC313	8-759-981-64	s	LM2903DQ(RAYTHEON)
IC314	8-759-140-17	s	uPD4017BC(NEC)
43)IC401	8-759-113-03	s	uPD78310CW(NEC)
44)IC401	8-759-153-81	s	uPD78310ACW(NEC)
IC402	8-759-202-89	s	TC74HC139P(TOSHIBA)
IC403	8-759-202-26	s	TC74HC138P(TOSHIBA)
IC404	8-752-321-02	s	CXK5816PN-15L(SONY)
25)IC405	8-759-731-41	s	27C128-SV113-V105(FUJITSU)
26)IC405	8-759-732-90	s	27C128-SV113-V106(FUJITSU)
IC406	8-759-203-35	s	TC74HC373P(TOSHIBA)
IC407	8-759-203-68	s	TC74HC4040P(TOSHIBA)
IC408	8-759-202-13	s	TC74HCU04P(TOSHIBA)
IC409	8-759-982-25	s	RC78L09A(RAYTHEON)
IC410	8-759-132-40	s	uPC324C(NEC)
IC411	8-759-145-58	s	uPC4558C(NEC)
IC412	8-752-806-91	s	CX070154P(SONY)
IC413	8-759-202-37	s	TC74HC4050P(TOSHIBA)
IC414	8-759-202-37	s	TC74HC4050P(TOSHIBA)
IC415	8-759-202-56	s	TC74HC245P(TOSHIBA)
IC416	8-759-208-10	s	TC4053BPHB(TOSHIBA)
IC417	8-759-203-33	s	TC74HC367P(TOSHIBA)
IC418	8-759-345-38	s	HD14538BP(HITACHI)
IC501	8-759-990-84	s	TL084CN(TI)
IC502	8-759-132-40	s	uPC324C(NEC)
IC503	8-759-145-58	s	uPC4558C(NEC)
IC504	8-759-990-84	s	TL084CN(TI)
IC505	8-759-145-58	s	uPC4558C(NEC)
IC506	8-759-208-10	s	TC4053BPHB(TOSHIBA)
IC507	8-759-910-43	s	CX23028(SONY)
IC508	8-759-981-64	s	LM2903DQ(RAYTHEON)
IC509	8-759-981-64	s	LM2903DQ(RAYTHEON)
L101	1-459-155-00	s	(WITH CORE) 45
L701	1-459-155-00	s	(WITH CORE) 45
L702	1-459-155-00	s	(WITH CORE) 45
L703	1-459-155-00	s	(WITH CORE) 45
L704	1-459-155-00	s	(WITH CORE) 45

Ref No.	Parts No.	SP	Description
Q101	8-729-900-36	s	DTC124ES
Q102	8-729-900-63	s	DTA124ES
Q103	8-729-900-36	s	DTC124ES
Q104	8-729-178-54	s	2SC2785
Q105	8-729-178-54	s	2SC2785
Q201	8-729-178-54	s	2SC2785
Q302	8-729-201-05	s	2SC2878-B
Q303	8-729-178-54	s	2SC2785
Q304	8-729-900-36	s	DTC124ES
Q305	8-729-900-36	s	DTC124ES
Q306	8-729-900-36	s	DTC124ES
Q310	8-729-900-36	s	DTC124ES
Q401	8-729-178-54	s	2SC2785
Q402	8-729-117-54	s	2SA1175-F
Q403	8-729-900-36	s	DTC124ES
Q404	8-729-900-36	s	DTC124ES
Q405	8-729-900-36	s	DTC124ES
Q406	8-729-900-63	s	DTA124ES
Q407	8-729-178-54	s	2SC2785
Q408	8-729-900-63	s	DTA124ES
Q409	8-729-900-36	s	DTC124ES
Q410	8-729-900-36	s	DTC124ES
Q411	8-729-900-36	s	DTC124ES
Q502	8-729-900-36	s	DTC124ES
Q503	8-729-201-05	s	2SC2878-B
Q504	8-729-900-63	s	DTA124ES
Q505	8-729-201-05	s	2SC2878-B
Q506	8-729-900-63	s	DTA124ES
Q507	8-729-201-05	s	2SC2878-B
Q508	8-729-201-05	s	2SC2878-B
Q514	8-729-178-54	s	2SC2785
R114	1-247-887-00	s	CARBON 220k 5% 1/4W
R124	1-247-903-00	s	CARBON 1M 5% 1/4W
R132	1-247-887-00	s	CARBON 220k 5% 1/4W
R204	1-247-903-00	s	CARBON 1M 5% 1/4W
R210	1-247-895-00	s	CARBON 470k 5% 1/4W
R222	1-247-903-00	s	CARBON 1M 5% 1/4W
R228	1-247-895-00	s	CARBON 470k 5% 1/4W
R242	1-247-887-00	s	CARBON 220k 5% 1/4W
R253	1-247-887-00	s	CARBON 220k 5% 1/4W
R260	1-247-887-00	s	CARBON 220k 5% 1/4W
R353	1-247-899-11	s	CARBON 680k 5% 1/4W
R367	1-247-903-00	s	CARBON 1M 5% 1/4W
R389	1-247-820-11	s	CARBON 360 5% 1/4W
R416	1-247-903-00	s	CARBON 1M 5% 1/4W
R437	1-247-887-00	s	CARBON 220k 5% 1/4W
R439	1-247-887-00	s	CARBON 220k 5% 1/4W
R440	1-247-883-00	s	CARBON 150k 5% 1/4W
R448	1-247-887-00	s	CARBON 220k 5% 1/4W
R501	1-247-747-11	s	CARBON 470 5% 1/2W
R502	1-247-747-11	s	CARBON 470 5% 1/2W
R509	1-247-903-00	s	CARBON 1M 5% 1/4W
R511	1-247-887-00	s	CARBON 220k 5% 1/4W
R513	1-247-895-00	s	CARBON 470k 5% 1/4W
R515	1-247-895-00	s	CARBON 470k 5% 1/4W

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
R537	1-247-903-00	s	CARBON 1M 5% 1/4W
R563	1-247-895-00	s	CARBON 470k 5% 1/4W
R566	1-247-903-00	s	CARBON 1M 5% 1/4W
R568	1-247-885-00	s	CARBON 180k 5% 1/4W
R570	1-247-889-11	s	CARBON 270k 5% 1/4W
R574	1-247-903-00	s	CARBON 1M 5% 1/4W
R585	1-247-883-00	s	CARBON 150k 5% 1/4W
R587	1-247-885-00	s	CARBON 180k 5% 1/4W
R701	1-532-675-00	s	LINK, IC
R702	1-532-675-00	s	LINK, IC
R703	1-532-675-00	s	LINK, IC
R704	1-532-675-00	s	LINK, IC
R724	1-161-494-00	s	CERAMIC 0.022 25V
R760	1-161-494-00	s	CERAMIC 0.022 25V
R761	1-161-494-00	s	CERAMIC 0.022 25V
R906	1-247-899-11	s	CARBON 680k 5% 1/4W
R908	1-247-899-11	s	CARBON 680k 5% 1/4W
RB101	1-231-411-00	s	REISITOR BLOCk 100k
RB401	1-231-411-00	s	REISITOR BLOCk 100k
RV301	1-230-498-11	s	VAR, METAL GLAZE 47k
RV502	1-228-994-00	s	VAR, CARBON 10k
RV503	1-228-994-00	s	VAR, CARBON 10k
S101	1-570-623-11	s	DIP
S102	1-554-303-21	s	KEY BOARD "INC/START"
S103	1-554-303-21	s	KEY BOARD "DEC"
S301	1-552-509-00	s	DIP
S302	1-552-539-00	s	KEY BOARD "WR"
X301	1-567-962-11	s	VIBRATOR, CRYSTAL 8MHz
X401	1-567-865-11	s	VIBRATOR, CRYSTAL 12MHz

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

Ref No.	Parts No.	SP	Description
FRAME			
	A-6709-614-A	s	HEAD DRUM ASS'Y DUH-43A-R
	A-6709-615-A	s	UPPER DRUM ASS'Y DUR-43-R
	1-559-298-11	o	CABLE, FLAT 10P (KY-101 to SY-102)
CN912	1-562-227-41	s	RECEPTACLE, BNC "VIDEO IN"
CN913	1-562-227-41	s	RECEPTACLE, BNC "VIDEO IN"
CN914	1-562-227-41	s	RECEPTACLE, BNC "REF VIDEO IN (EXT SYNC IN)"
CN915	1-562-227-41	s	RECEPTACLE, BNC "REF VIDEO IN (EXT SYNC IN)"
CN916	1-562-227-21	s	RECEPTACLE, BNC "SC IN"
CN917	1-561-577-21	s	8P(DIP TYPE) "MONITOR"
CN918	1-561-045-00	s	7P(F) "DUB IN"
CN919	1-566-622-11	s	7P(M) "DUB OUT"
CN920	1-562-227-41	s	RECEPTACLE, BNC "VIDEO OUT 1"
CN921	1-562-227-41	s	RECEPTACLE, BNC "VIDEO OUT 2"
CN922	1-562-227-41	s	RECEPTACLE, BNC "MONITOR VIDEO"
CN923	1-562-227-41	s	RECEPTACLE, BNC "REF VIDEO OUT"
CN924	1-562-227-21	s	RECEPTACLE, BNC "RF (OFF TAPE)"
CN925	1-562-227-21	s	RECEPTACLE, BNC "TIME CODE IN"
CN926	1-562-227-21	s	RECEPTACLE, BNC "TIME CODE OUT"
CN927	1-563-030-21	s	RECEPTACLE, XLR,3P(M) "AUDIO IN CH-1/L" (J)
	1-563-029-21	s	RECEPTACLE, XLR,3P(F) "AUDIO IN CH-1/L" (UC)
CN928	1-563-030-21	s	RECEPTACLE, XLR,3P(M) "AUDIO IN CH-2/R" (J)
	1-563-029-21	s	RECEPTACLE, XLR,3P(F) "AUDIO IN CH-2/R" (UC)
CN929	1-563-029-21	s	RECEPTACLE, XLR,3P(F) "AUDIO OUT CH-1/L" (J)
	1-563-030-21	s	RECEPTACLE, XLR,3P(M) "AUDIO OUT CH-1/L" (UC)
CN930	1-563-029-21	s	RECEPTACLE, XLR,3P(F) "AUDIO OUT CH-2/R" (J)
	1-563-030-21	s	RECEPTACLE, XLR,3P(M) "AUDIO OUT CH-2/R" (UC)
CN931	1-563-029-21	s	RECEPTACLE, XLR,3P(F) "AUDIO OUT MONITOR" (J)
	1-563-030-21	s	RECEPTACLE, XLR,3P(M) "AUDIO OUT MONITOR" (UC)
⚠CN932	1-560-222-21	s	AC INLET "AC IN"
CN934	1-560-769-00	s	15P,PLUG "TBC REMOTE"
⚠F1	1-532-746-11	s	FUSE, GLASS TUBE 4A
H1002	8-825-578-31	s	ACE,EPS264-5803A "AUDIO/CTL/ERASE"
H1003	8-825-544-20	s	ERASE,EF232-58 "FULL ERASE"
H1004	8-825-771-31	s	PP295-58 "TIME CODE"
J1	1-507-553-00	s	JACK "HEADPHONES"

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Ref No.	Parts No.	SP	Description
M1001	8-835-258-02	s	DC,BHF-1915B "CAPSTAN"
M1002	8-835-235-01	s	DC,MNR-2900B "T-REEL"
M1003	8-835-235-01	s	DC,MNR-2900B "S-REEL"
M1004	8-835-055-01	s	DC,DNR-4700A "LOADING"
M1005	8-835-179-01	s	DC,MCB2B-15 "CASSETTE COMPARTMENT"
M1006	1-541-524-11	s	DC "FAN"
ME1001	1-520-393-00	s	"AUDIO CH-1"
ME1002	1-520-393-00	s	"AUDIO CH-2"
ME1003	1-520-440-00	s	"VIDEO/RF"
⚠PM1001	1-454-417-31	s	12V 12/90ohm "S-BRAKE"
PM1002	1-454-417-31	s	12V 12/90ohm "T-BRAKE"
PM1003	1-454-416-31	s	12V 7/35ohm "PINCH"
⚠S901	1-570-117-11	s	ROCKER "POWER"

18-4. PACKING MATERLAL AND ACCESSORIES (SUPPLIED)

Part No.	SP	Description
A-6729-494-A	s	EXTENSION BOARD, EX-127
A-6729-495-A	s	EXTENSION BOARD, EX-128
⚠1-551-812-00	s	CORD, POWER (for UC)
1-534-754-00	s	CORD, POWER (for J)
1-555-873-13	s	CABLE, REMOTE CONTROL 9P
3-688-884-01	o	CUSHION, UPPER
3-688-885-01	o	CUSHION, LOWER
3-701-625-00	s	BAG, POLY (FOR EX-127)
3-701-632-00	s	BAG, POLY (FOR MANUAL)
3-701-634-00	s	BAG, POLY (FOR EX-128)
3-701-649-00	s	BAG, POLY (FOR VTR)
3-718-783-01	s	INDIVIDUAL CARTON
3-718-784-01	s	SLEEVE
3-718-785-01	s	SPACER
Standard Products		DUBBING CABLE, VDC-5
1-508-948-00	s	CONNECTOR, MALE
1-561-055-00	s	CONNECTOR, FEMALE

18-5. FIXTURE (OPTION)

Part No.	SP	Description
J-6001-820-A	s	DRUM ECCENTRICITY GAUGE (3)
J-6001-830-A	s	DRUM ECCENTRICITY GAUGE (2)
J-6001-840-A	s	Drum ECCENTRICITY GAUGE (1)
J-6001-930-A	s	Drum ECCENTRICUTY GAUGE (4)
J-6009-830-A	s	FLATNESS PLATE
J-6026-240-A	s	ADJUSTMENT dRIVER
J-6130-010-A	s	REEL TABLE HEIGHT CHECK BASE JIG
J-6130-020-A	s	REEL TABLE HEIGHT CHECK JIG
J-6150-140-A	s	ECCENTRIC SCREWDRIVER (6 MM DIA.)
J-6153-020-A	s	DIHEDRAL ADJUSTMENT SCREWDRIVER
J-6153-720-A	s	REEL MOTOR SHAFT SLANTNESS ADJUSTMENT JIG
J-6153-730-A	s	HEXAGONAL SCREWDRIVER (1.27 MM)
Y-2031-001-0	s	CLEANING FLUID
2-034-697-00	s	CLEANING PIECE
3-702-390-01	s	ECCENTRIC SCREWDRIVER (4 MM DIA.)
3-702-391-01	s	ECCENTRIC SCREWDRIVER (5 MM DIA.)
7-700-736-01	s	L-SHAPEd HEXAGONAL WRENCH (1.27 mm)
7-700-736-05	s	L-SHAPED HESAGONAL WRENCH (1.5 MM)
7-723-902-00	s	DENTAL MIRROR
7-732-050-30	s	TENSION SCALE (100G FULL SCALE)
7-732-050-40	s	TENSION SCALE (200G FULL SCALE)
8-960-015-16	s	ALIGNMENT TAPE, RR5-4SB
8-960-037-02	s	ALIGNMENT TAPE, RR2-1SD
8-960-037-80	s	ALIGNMENT TAPE, RR5-1SD
8-899-999-53	s	TORQUE MEASURMENTt TAPE (100 MM DIA.)
9-911-053-00	s	THICKNESS GAUGE
Standard Products		HEAD DEMAGNETIZER, HE-4

Parts that are not listed in the "reference number order list" are shown in the "General Purpose Electrical Parts List".

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